

NICE SCREEN

AUTOMATIONS SYSTEM FOR AWNINGS, BLINDS
AND SHUTTERS / CATALOGUE 2016



Nice

NICE SCREEN

CATALOGO 2016

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**FOR
RESIDENTIALS**

**PUBLIC SPACES
& HOSPITALITY**

**OFFICES &
INDUSTRIES**

NICE FOR ALL

Nice Screen: the reliable, flexible solution for a range of wired, radio and wireless configurations. Adapts to and integrates with all architectural styles.

A complete and versatile range of automation systems for all sizes and all kinds of sunscreen application: for homes, offices, hotels, companies, residential homes and housing in general.

Tubular motors with new production dynamics. The perfect partner for your business. Our new, wider range of products and applications lets you enter the world of Nice systems reliably and in complete safety.

Just one partner that can solve all your home automation needs: Nice means the simplest integration, the most elegant design and the most advanced electronics.





The
Nice
Group

NICE
PEOPLE

FOR YOU THE PROFESSIONAL

Nice Screen presents new motors and accessories to facilitate preparatory work and automation installations.

Technology

1. Motors with pushbutton limit stop adjustment.
2. Thanks to Nice Tbus technology, configuring an installation has never been easier or quicker. Accessories can be connected directly to the motor, avoiding awkward and expensive modifications to the structure. The motor and its limit stops can be configured by means of dedicated programming modules with a simple user-friendly interface.
3. New circuit board, more resistant to mains interference.

Reliability

Thanks to constant investments, our in-house laboratory is certified to perform product testing for research and quality control purposes.

An expanded range of small motors, new medium size motors and new large and extra large sizes too: now all applications can be Nice!

Service

Nice provides customised services especially for you the professional.



HOW NICE

**For our and your users throughout the world:
working together to control light and simplify life.**

Nice Screen brings you the widest range of user-friendly command and control devices. Awnings and rolling shutters can all be operated via radio with just one click.

When developing the new Era Screen range, Nice focused on low energy consumption to respect the environment and the user, and to avoid adding to the home electricity bill.

Nice offers you the simplest integration, the most refined design and the most advanced electronics. Our superbly versatile automation systems improve home comfort in new build and refurbishment projects.



2000
"International
Design Gallery"
Expo 2000
Hannover

ADI

2001
Best of Category
"Design for the
Environment"
XIX Compasso
d'Oro



2002
Permanent
Collection
at The Museum
of Design



1999, 2003,
2005
"Intel Design
Award"



1999, 2003,
2005
"ADI Design
Index"



2005
"Trophée
d'Argent"
Trophée
du Design
Batimat



2006
"Innovation Prize"
R+T Stuttgart



2007
"Innovation &
Design Award"
LivinLuce



2008
"Grandesign Etico
International Award"



FOR AWNINGS,
BLINDS AND SHUTTERS

FOR ALARM SYSTEMS

FOR GARAGE
DOORS

FOR GATES

FOR LIGHTS

JUST A WAVE OF YOUR HAND

A simple gesture is all you need to run the home.

With Nice, you can operate and manage awning and rolling shutter automation, lighting and alarm systems, gates, garage doors and barriers individually, in groups or in scenarios.

Ask for the latest catalogues for our Nice Gate&Door automation systems, NiceHome System alarms and NiceLight and FontanaArte indoor and outdoor lighting systems.





Nice

NICE CENTRE R&D AND LABS: THE TECHNOLOGICAL CENTRE

Nice makes significant investments to guarantee even higher quality standards, which not only comply with directives and regulations, but also allow continuous product improvement, by exploiting high-tech procedures and experimentation and an innovative approach to open integration.

Through its advanced laboratories Nice carefully tests and controls its products every day in order to grant safety, quality, reliability and durability over time.

Nice has adopted a quality system that complies with standard **ISO 9001**, recognized worldwide for the quality management. The laboratory also meets the strict quality requirements of **EN 17025** standards.

Nice CE certified products comply with the European Directives and the leading internationally recognized standards.

Nice laboratories have been certified by outside certification bodies, further attesting their technical expertise and conformity to carry out the tests that cover all the needs and the numerous products manufactured by the Nice group:

- LCIE (France)
- IMQ (Italy)
- Cetecom (Germany)
- FCC (USA)
- IC (Canada)
- Intertek (Sweden)
- UL (USA)

A COMPLETE SYSTEM AND MANY NEW DEVELOPMENTS

Nice has the perfect answer for all rolling shutter automation needs, from the simplest to the most advanced solutions. Our coordinated automation systems are open to integration and easy to control from within the home, office, hotel or residence.



ERA P SERIES

PORTABLE RADIO TRANSMITTERS TO
MANAGE SUN SCREENS, AWNINGS,
BLINDS AND SHUTTERS

Ergonomic design and intuitive use for a new line of transmitters able to control automations, lighting and other electrical devices.



ERA-P VIEW

MULTIFUNCTION RADIO
TRANSMITTER WITH USER-FRIENDLY
GRAPHIC INTERFACE,

LCD colour screen (2.2") and navigation by 5-key joypad.
A further 3 keys control the automation directly.
Flexible management for all types of user.



ERA QUICK M and ERA PLUS M THE PUSHBUTTON LIMIT STOP MAKES EVERYTHING EASIER

Adjustment of the limit stops near the motor head is easy and immediate.



ERA MAT M0 FOR ROLLING SHUTTERS WITH POSITIONABLE SLATS

Thanks to the new Nice tubular motor, the slats can be positioned directly from the transmitter: the right light at all times.



ERA L and ERA XL FOR LARGER SIZES

As well as the Small and Medium sizes, Large size, also in the new version with emergency override mechanism, and Extra Large size with diameters of 58 and 85 mm respectively are now available for applications using large rolling shutters, awnings and rolling doors.



Nice Headquarters,
Oderzo, TV, Italy

DESIGNING A NICE WORLD

**Improving the quality of life by simplifying everyday movements.
Nice offers the security of going in and out in total freedom, by meeting
the desire of comfort with practical products and an emotional design.
In order to make the most of the housing space.**

Nice + FontanaArte: light is movement.

Thanks to the acquisition of FontanaArte, Nice enters the lighting system complementary sector.
Founded in 1932 by the architect Gio Ponti, FontanaArte is one of the Italian design firms
which has “made history in lighting and furnishings” in Italy and around the world.

www.fontanaarte.com



NICE PEOPLE MAKE NICE THINGS

TheNicePlace

The area covering more than 3,000 sq.m adjacent to company headquarters, devoted to meetings and the exchange, sharing and generation of knowledge, is a “living” place, open to new experiences and initiatives that respond to the needs of a company that is continuing to grow, and reflect its international nature.

With this “social hub”, Nice aims to involve people and the community in an ongoing process, so as to stimulate the development of knowledge inside and outside of the company, individually and collectively, as well as to enhance the knowledge and skills of each individual.

www.thenicegroup.com

Nice Feel (for everyone everywhere liberty)

It is the project created by Nice to promote and develop activities which give people with motor difficulties greater freedom in movement and more individual autonomy.



The Nice Place,
Oderzo, TV, Italy



Nice Experience
to discover, learn about and touch Nice
automation systems



GUIDE TO READING THE CATALOGUE

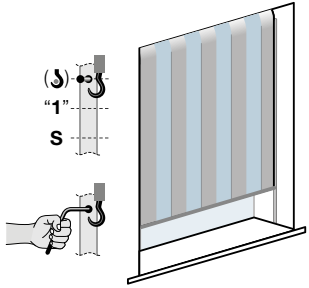
To better assist you the professional, Nice has created a new catalogue section packed with information to facilitate and speed up your daily work. The new section contains:

- a practical **arrangement of tubular motors by application type**, to help you deliver all the **benefits** of a correctly installed system;
- an intuitive guide to selecting the **right motor** to suit the characteristics of each rolling shutter;
- a **tree index** to help you identify motor models by torque, bearing in mind the characteristics most suitable to your automation needs, complete with page references for quick consultation.

Complete your automation system by choosing the most suitable Nice electronic control devices. The last section of the catalogue, "**Nice Service for you**", provides useful examples of **typical installation configurations**, an **exhaustive Technical Glossary** and a practical **alphabetical index**, to put everything you need at your fingertips.

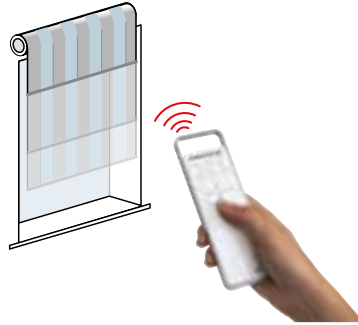
FOR ROLLER BLINDS

THE MOST ELEGANT SOLUTION FOR INDOOR AND OUTDOOR SUN SCREENS



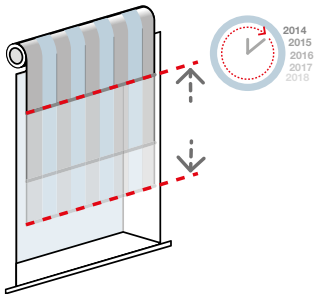
Correct fabric tensioning.

The motors are ideal with both manual (FTA) and automatic (FTC) hooking systems which optimise the tensioning force according to the type of fabric and size of the awning.



Remote limit stop adjustment by radio.

The up and down limit positions of the rolling shutter can be programmed manually, including by transmitter.



Maximum Precision

The encoder technology guarantees millimetric precision, maintenance of set values over time and constant optimum force on the fabric.

Main functions and characteristics	S Ø 35 mm			M Ø 45 mm						L Ø 58 mm			
	ERA S	ERA STAR ST	ERA MAT ST	ERA M	ERA QUICK M	ERA PLUS M	ERA FIT M	ERA STAR MT	ERA MAT MT	ERA MAT MVS	ERA L	ERA STAR LT	ERA MAT LT
MECHANICAL LIMIT STOP	●			●							●		
PUSHBUTTON LIMIT STOP					●	●							
ELECTRONIC LIMIT STOP		●	●				●	●	●	●		●	●
LIMIT STOP WITH BUILT-IN RADIO RECEIVER			●			●	●		●	●			●
TBUS TECHNOLOGY			●			●			●	●			●
SILENT													
MANUAL LIMIT STOP PROGRAMMING		●	●				●	●	●	●		●	●
SEMI-AUTOMATIC LIMIT STOP PROGRAMMING		●	●				●	●	●			●	●
AUTOMATIC LIMIT STOP PROGRAMMING		●	●					●	●			●	●
INTERMEDIATE HEIGHTS			●				●		●	●			●
RDC FUNCTION		●	●				●	●	●			●	●
FRT FUNCTION		●	●				●	●	●			●	●
FTC FUNCTION		●	●					●	●			●	●
FTA FUNCTION		●	●					●	●			●	●
CONNECTION IN PARALLEL*		●	●		●	●		●	●	●		●	●
MEMORY LOCKING			●			●	●		●	●			●

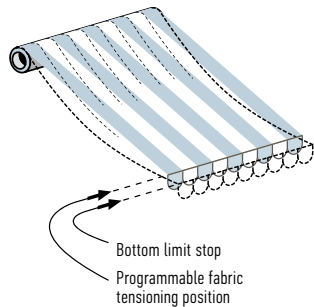
*A number of motors can be activated from a single point, without installing additional control units.

For more details please refer to the Technical Glossary at page 179.

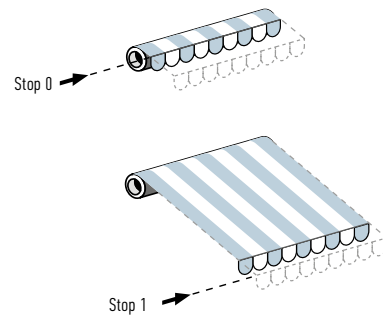


FOR AWNINGS

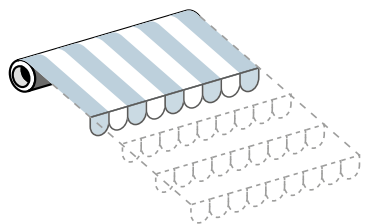
THE CLASSICAL SOLUTION FOR SUN PROTECTION, WITH BOTH EXTENDABLE AND STRAIGHT ARMS



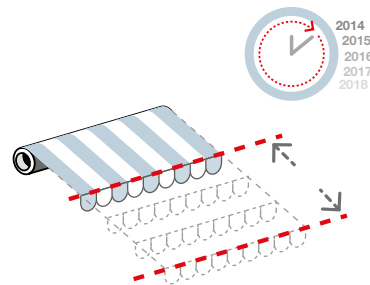
FRT function: fabric tensioning system withdraws the fabric by a programmable amount when the fully open position has been reached, thereby eliminating unsightly sagging.



Possibility of precisely programming the limit stop positions, also by transmitter. Specifically for automating square bar awnings.



Possibility of setting intermediate opening heights with recall by transmitter. In installations with hook-on awnings, the intermediate heights can be used to obtain different hooking positions.



Maximum Precision
The encoder technology guarantees millimetric precision, maintenance of set values over time and constant optimum force on the fabric.

Main functions and characteristics

	S Ø 35 mm		M Ø 45 mm				L Ø 58 mm		XL Ø 85 mm				
	ERA STAR ST	ERA MAT ST	ERA M	ERA MH	ERA QUICK M	ERA PLUS M	ERA PLUS MH	ERA FIT M	ERA L	ERA LH	ERA PLUS LH	ERA XL	ERA XLH
MECHANICAL LIMIT STOP			●	●			●		●	●	●	●	●
PUSHBUTTON LIMIT STOP					●	●							
ELECTRONIC LIMIT STOP	●	●						●					
BUILT-IN RADIO RECEIVER		●				●	●	●			●		
NICE TTBUS TECHNOLOGY		●				●	●				●		
EMERGENCY OVERRIDE MECHANISM				●			●		●	●			●
MANUAL LIMIT STOP PROGRAMMING	●	●						●					
SEMI-AUTOMATIC LIMIT STOP PROGRAMMING	●	●						●					
AUTOMATIC LIMIT STOP PROGRAMMING	●	●											
INTERMEDIATE HEIGHTS		●						●					
RDC FUNCTION	●	●						●					
FRT FUNCTION	●	●						●					
FTC FUNCTION	●	●											
FTA FUNCTION	●	●											
CONNECTION IN PARALLEL*	●	●			●	●							
MEMORY LOCKING		●				●	●	●			●		

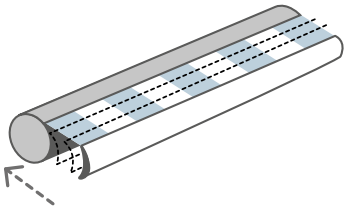
*A number of motors can be activated from a single point, without installing additional control units.

For more details please refer to the Technical Glossary at page 179.

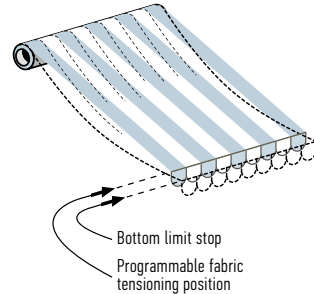


FOR BOX AWNINGS

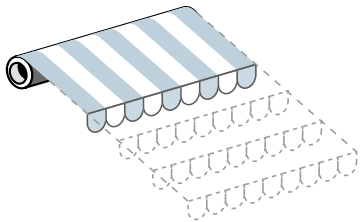
CONCEALED SOLUTION FOR GREATER PROTECTION OF THE FABRIC WITHOUT ALTERING THE ARCHITECTURAL CONTEXT



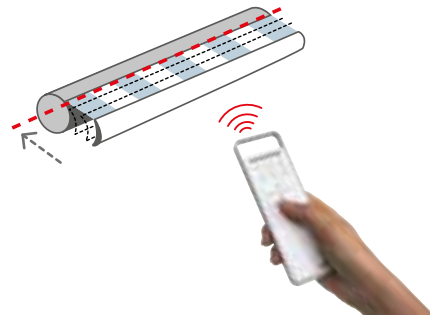
RDC
Drive torque reduction A torque reduction system reduces the torque to stop movement smoothly without straining the fabric in the closing position, preventing unsightly sagging.



FRT
Fabric tensioning system withdraws the fabric by a programmable amount when the fully open position has been reached, thereby eliminating unsightly sagging.



Possibility of setting intermediate opening heights with recall by transmitter. In installations employing awnings with hooks, the intermediate heights can be used to obtain different hooking positions.



Easy limit stop adjustment with semi-automatic programming, simplified procedure for memorising the top limit stop position at the strike point and manual programming for the down limit stop, including by transmitter.

Main functions and characteristics	M Ø 45 mm			L Ø 58 mm	
	ERA STAR MT	ERA MAT MT	ERA FIT MHT	ERA STAR LT	ERA MAT LT
ELECTRONIC LIMIT STOP	●	●	●	●	●
LIMIT STOP WITH BUILT-IN RADIO RECEIVER		●	●		●
TTCBUS TECHNOLOGY		●			●
EMERGENCY OVERRIDE MECHANISM			●		
MANUAL LIMIT STOP PROGRAMMING	●	●	●	●	●
SEMI-AUTOMATIC LIMIT STOP PROGRAMMING	●	●	●	●	●
AUTOMATIC LIMIT STOP PROGRAMMING	●	●		●	●
INTERMEDIATE HEIGHTS		●	●		●
RDC FUNCTION	●	●	●	●	●
FRT FUNCTION	●	●	●	●	●
FTC FUNCTION	●	●		●	●
FTA FUNCTION	●	●		●	●
CONNECTION IN PARALLEL*	●	●		●	●
MEMORY LOCKING		●	●		●

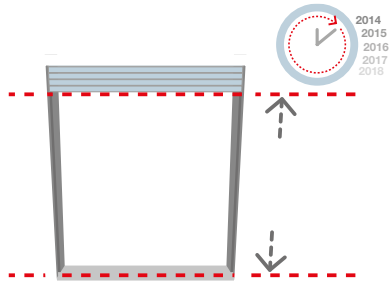
*A number of motors can be activated from a single point, without installing additional control units.

For more details please refer to the Technical Glossary at page 179.



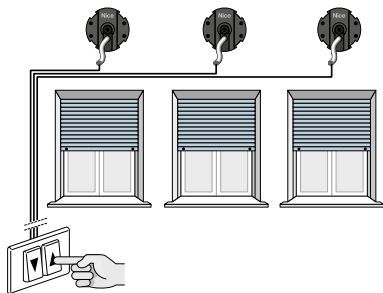
FOR ROLLING SHUTTERS

MOTORS FOR ALL SIZES TO AUTOMATE FROM THE NARROWEST TO THE WIDEST ROLLING SHUTTERS MADE FROM A RANGE OF MATERIALS



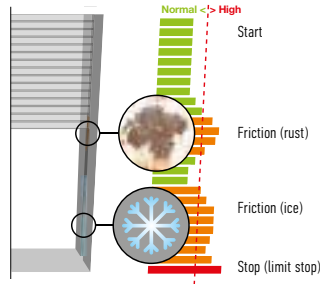
Maximum precision

The encoder technology guarantees millimetric precision, reliability and maintenance of set values over time.



Connection of a number of motors in parallel

A number of motors with electronic limit stops can be connected together in parallel from a single control point without the need for additional control units.



Rolling shutter protection

Perfect control of force protects the rolling shutter from damage caused by freezing or excessive friction during raising and recognises possible obstacles during lowering. The recognition can be adjusted on a number of levels, it preserves the rolling shutter from damage and, when anti-intrusion springs are fitted, improves resistance.

Main functions and characteristics	S Ø 35 mm			M Ø 45 mm								L Ø 50 mm			XL Ø 85 mm		
	ERA S	ERA STAR SA	ERA MAT SA	ERA M	ERA MH	ERA STAR MA	ERA MAT MA	ERA QUICK M	ERA FIT M	ERA PLUS M	ERA PLUS MH	ERA L	ERA LH	ERA STAR LA	ERA MAT LA	ERA PLUS LH	ERA XLH
MECHANICAL LIMIT STOP	●			●	●						●	●	●			●	●
PUSHBUTTON LIMIT STOP								●		●							
ELECTRONIC LIMIT STOP		●	●			●	●		●					●	●		
BUILT-IN RADIO RECEIVER			●				●		●	●	●				●	●	
NICE TTBUS TECHNOLOGY			●				●			●	●				●	●	
EMERGENCY OVERRIDE MECHANISM					●						●		●			●	●
MANUAL LIMIT STOP PROGRAMMING		●	●			●	●	●	●	●				●	●		
SEMI-AUTOMATIC LIMIT STOP PROGRAMMING		●	●			●	●							●	●		
AUTOMATIC LIMIT STOP PROGRAMMING		●	●			●	●							●	●		
PLUG-AND-PLAY																	
INTERMEDIATE HEIGHTS			●				●		●						●		
ROLLING SHUTTER PROTECTION		●					●										
ROLLING SHUTTER PROTECTION (programmable thresholds)			●			●	●										
CONNECTION IN PARALLEL*		●	●			●	●	●		●				●	●		
MEMORY LOCKING			●						●	●	●				●	●	

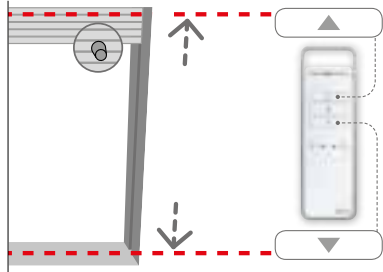
*A number of motors can be activated from a single point, without installing additional control units.

For more details please refer to the Technical Glossary at page 179.



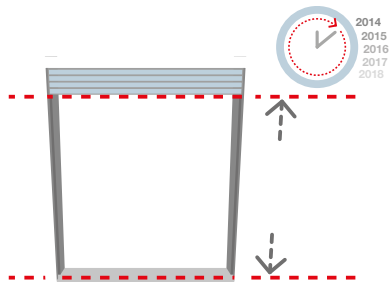
FOR ROLLING SHUTTERS WITH MECHANICAL STOPS

MOTORS SPECIFICALLY FOR ROLLING SHUTTERS WITH SAFETY STOPS AND/OR ANTI-INTRUSION SPRINGS



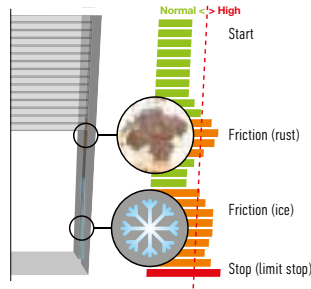
Automatic programming of limit stops

when used for the first time, the opening and closing limit stops can be set with just two simple clicks from the transmitter (up-down).



Maximum precision

The encoder technology guarantees millimetric precision, reliability and maintenance of set values over time.



Rolling shutter protection

Perfect control of the force protects the rolling shutter from breakage caused by freezing or excessive friction during the up phase and recognises possible obstacles in the down phase. The recognition can be adjusted on a number of levels, it preserves the rolling shutter from damage and, when anti-intrusion springs are fitted, improves resistance.

Main functions and characteristics	S Ø 35 mm				M Ø 45 mm			
	ERA STAR SA	ERA STAR SP	ERA FIT SP	ERA MAT SA	ERA STAR MA	ERA STAR MP	ERA FIT MP	ERA MAT MA
ELECTRONIC LIMIT STOP	●	●	●	●	●	●	●	●
BUILT-IN RADIO RECEIVER			●	●			●	●
NICE TTBUS TECHNOLOGY				●				●
MANUAL LIMIT STOP PROGRAMMING	●			●	●			●
SEMI-AUTOMATIC LIMIT STOP PROGRAMMING	●			●	●			●
AUTOMATIC LIMIT STOP PROGRAMMING	●			●	●			●
PLUG-AND-PLAY		●	●			●	●	
SMART-MEMO			●				●	
INTERMEDIATE HEIGHTS			●	●				●
ROLLING SHUTTER PROTECTION		●	●			●	●	
ROLLING SHUTTER PROTECTION (programmable thresholds)	●			●	●			●
CONNECTION IN PARALLEL*	●	●		●	●	●		●
MEMORY LOCKING			●	●				●

*A number of motors can be activated from a single point, without installing additional control units.

For more details please refer to the Technical Glossary at page 179.



FOR ROLLING SHUTTERS WITH POSITIONABLE SLATS

ERA MAT M0	M Ø 45 mm
------------	-----------

Main functions and characteristics

ELECTRONIC LIMIT STOP	●
LIMIT STOP WITH BUILT-IN RADIO RECEIVER	●
TTBUS TECHNOLOGY	●
MANUAL LIMIT STOP PROGRAMMING	●
CONNECTION IN PARALLEL*	●

*It provides management of several motors from a single point at the same time, without needing to install additional control units. Therefore excluding the need to control each motor individually.

For more details please refer to the Technical Glossary at page 179.



FOR PROJECTION SCREENS

PRACTICAL SILENT SOLUTIONS TO AUTOMATE
SINGLE OR MULTIPLE PROJECTION SCREENS
WITH DEDICATED FUNCTIONS FOR MULTI-FORMAT
CONFIGURATION

	M Ø 45 mm
Main functions and characteristics	
ELECTRONIC LIMIT STOP	●
LIMIT STOP WITH BUILT-IN RADIO RECEIVER	●
TTBUS TECHNOLOGY	●
MANUAL LIMIT STOP PROGRAMMING	●
INTERMEDIATE HEIGHTS	●
CONNECTION IN PARALLEL*	●
MEMORY LOCKING	●
SILENT MOTOR	

*A number of motors can be activated from a single point, without installing additional control units.

For more details please refer to the Technical Glossary at page 179.



FOR WINTERGARDEN

**AUTOMATION SOLUTIONS FOR ARBOUR OR WINTERGARDEN MODELS:
MEDIUM-LARGE COVERING SYSTEMS TO PROTECT VERANDAS,
OUTDOOR AREAS OF BARS AND RESTAURANTS, OR PRIVATE GARDENS**

Main functions and characteristics	L Ø 58 mm					XL Ø 85 mm	
	ERA L	ERA LH	ERA STAR LT	ERA MAT LT	ERA PLUS LH	ERA XL	ERA XLH
MECHANICAL LIMIT STOP	●	●			●	●	●
ELECTRONIC LIMIT STOP			●	●			
LIMIT STOP WITH BUILT-IN RADIO RECEIVER				●	●		
TTBUS TECHNOLOGY		●		●	●		
EMERGENCY OVERRIDE MECHANISM		●			●		●
MANUAL LIMIT STOP PROGRAMMING			●	●			
SEMI-AUTOMATIC LIMIT STOP PROGRAMMING			●	●			
AUTOMATIC LIMIT STOP PROGRAMMING			●	●			
INTERMEDIATE HEIGHTS				●			
RDC FUNCTION			●	●			
FRT FUNCTION			●	●			
FTC FUNCTION			●	●			
FTA FUNCTION			●	●			
CONNECTION IN PARALLEL*			●	●			
MEMORY LOCKING			●	●			

*A number of motors can be activated from a single point, without installing additional control units.

For more details please refer to the Technical Glossary at page 179.



FOR GARAGES AND ROLLING DOORS

ALSO EASY SAFE SOLUTIONS FOR AUTOMATING SMALL AND LARGE GARAGES AND ROLLING DOORS

Main functions and characteristics	M Ø 45 mm		L Ø 58 mm				XL Ø 85 mm		
	ERA MH	ERA PLUS MH	ERA L	ERA LH	ERA STAR LA	ERA MAT LA	ERA PLUS LH	ERA XL	ERA XLH
MECHANICAL LIMIT STOP	●	●	●	●			●	●	●
ELECTRONIC LIMIT STOP					●	●			
LIMIT STOP WITH BUILT-IN RADIO RECEIVER		●				●	●		
TTBUS TECHNOLOGY		●				●	●		
EMERGENCY OVERRIDE MECHANISM	●	●	●				●		●
MANUAL LIMIT STOP PROGRAMMING					●	●			
SEMI-AUTOMATIC LIMIT STOP PROGRAMMING					●	●			
AUTOMATIC LIMIT STOP PROGRAMMING					●	●			
INTERMEDIATE HEIGHTS						●			
CONNECTION IN PARALLEL*					●	●			
MEMORY LOCKING		●				●	●		

*A number of motors can be activated from a single point, without installing additional control units.

For more details please refer to the Technical Glossary at page 179.





HOW TO CHOOSE THE IDEAL MOTOR FOR YOUR AWNING

Nice provides this simple guide to establish:

- **the ideal torque** in Nm to automate the awning;
- **the specific characteristics** of the tubular motors (diameter, type of stop adjustment, presence of control unit, radio receiver, encoder, emergency override mechanism).

Before you start, you need the following information

- the diameter of the winding roller (mm)**
- the awning extension distance (m)**
- the number of arms in the structure**

1. What torque? Identify the part of the table corresponding to the roller diameter.

Cross-reference the extension values with the number of arms to obtain the torque value required. You can then select the most suitable Nice series.

TUBULAR MOTORS Ø 45 mm and Ø 58 mm

WINDING ROLLER Ø (mm)		MOTOR TORQUE SELECTION (Nm)																							
		50					63/70					78					85								
ARM EXTENSION (m)		1,5	2	2,5	3	4	5	1,5	2	2,5	3	4	5	1,5	2	2,5	3	4	5	1,5	2	2,5	3	4	5
NUMBER OF ARMS	2	15	30	30	30	30	50	15	30	30	30	40	50	15	30	30	40	50	65	40	50	55	65	75	100
	4	30	30	30	40	50	-	30	30	40	50	55	80	30	40	40	50	75	80	50	55	75	100	100	120
	6	30	30	40	50	-	-	30	40	50	55	65	100	40	50	50	65	100	120	50	75	100	120	-	-
	8	40	50	-	-	-	-	50	50	55	65	-	-	55	65	80	80	120	-	-	-	-	-	-	-

Guideline selection table.
Based on standard arms.

For special applications consult the technical sales office.

 M SIZE Ø 45 mm

 L SIZE Ø 58 mm

HOW TO CHOOSE THE IDEAL MOTOR FOR YOUR BLINDS

TUBULAR MOTORS Ø 35 mm

Ø WINDING ROLLER (mm)		40							
SPECIFIC WEIGHT OF FABRIC (g/m ²)		300							
WEIGHT OF TERMINAL BAR (kg/m)		1							
WIDTH (m)		0,5	1	1,5	2	2,5	3	3,5	4
HEIGHT (m)	1	3	3	3	3	3	3	3	3
	2	3	3	3	3	3	3	3	3
	3	3	3	3	3	3	3	3	3
	4	3	3	3	3	3	3	3	5
	5	3	3	3	3	3	3	5	5

Ø WINDING ROLLER (mm)		50							
SPECIFIC WEIGHT OF FABRIC (g/m ²)		500							
WEIGHT OF TERMINAL BAR (kg/m)		2							
WIDTH (m)		0,5	1	1,5	2	2,5	3	3,5	4
HEIGHT (m)	1	3	3	3	3	3	3	5	5
	2	3	3	3	3	3	5	5	5
	3	3	3	3	3	5	5	5	6
	4	3	3	3	5	5	5	6	6
	5	3	3	3	5	5	6	6	6

TUBULAR MOTORS Ø 45 mm

Ø WINDING ROLLER (mm)		50							
SPECIFIC WEIGHT OF FABRIC (g/m ²)		500							
WEIGHT OF TERMINAL BAR (kg/m)		2							
WIDTH (m)		0,5	1	1,5	2	2,5	3	3,5	4
HEIGHT (m)	1	4	4	4	4	4	4	4	4
	2	4	4	4	4	4	4	4	8
	3	4	4	4	4	4	4	8	8
	4	4	4	4	4	4	8	8	8
	5	4	4	4	4	8	8	8	8

In the case of **projection or mosquito screens**, bear in mind that the weight of the screen has practically no influence with respect to that of the tensioning bar.

HOW TO CHOOSE THE IDEAL MOTOR FOR YOUR ROLLING SHUTTER

Guide to identify:

- the ideal torque in Nm to manoeuvre all automations in complete safety.
- the weight of the rolling shutter.

To calculate the weight of the rolling shutter, multiply the surface area in m² (base x height) by the weight per m² of the material used.

$$\text{SURFACE AREA (BASE x HEIGHT) x WEIGHT PER m}^2 = \text{SHUTTER WEIGHT}$$

GUIDELINE WEIGHTS PER m² OF ROLLING SHUTTER

MATERIAL	kg/m ²
HIGH DENSITY ALUMINIUM WITH EXPANDED POLYURETHANE	3-6
EXTRUDED ALUMINIUM	8-10*
ALUMINIUM FOR ROLLING DOORS	5-8
EXTRUDED ALUMINIUM WITH POLYURETHANE	7-9
PVC	5-8*
HIGH DENSITY ALUMINIUM WITH EXPANDED POLYURETHANE	3-6
EXTRUDED ALUMINIUM	8-10*
ALUMINIUM FOR ROLLING DOORS	5-8
EXTRUDED ALUMINIUM WITH POLYURETHANE	7-9

* The values indicated can be as much as doubled by the presence of reinforcements or if the material used is particularly thick.

Guideline table

ROLLING SHUTTER WIDTH (cm)

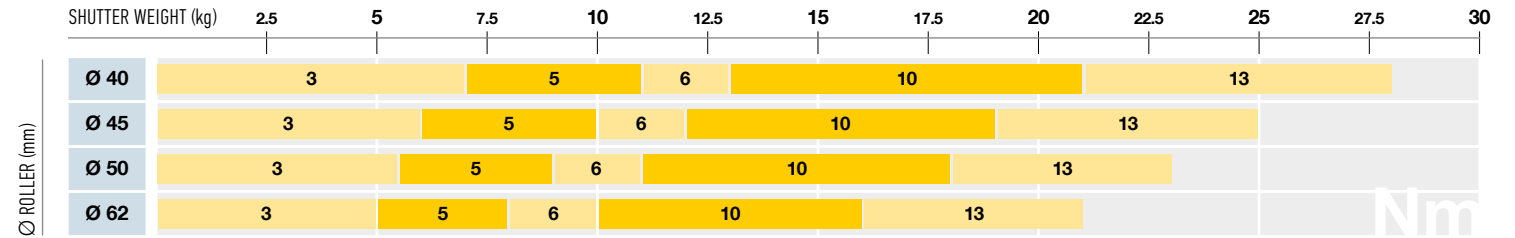
		80	100	120	140	160	180	200	220	240	260	280	300	320
100	ROLLING SHUTTER HEIGHT (cm)	4,0	5,0	6,0	7,0	8,0	9,0	10,0	11,0	12,0	13,0	14,0	15,0	16,0
		6,0	7,5	9,0	10,5	12,0	13,5	15,0	16,5	18,0	19,5	21,0	22,5	24,0
		8,0	10,0	12,0	14,0	16,0	18,0	20,0	22,0	24,0	26,0	28,0	30,0	32,0
		12,0	15,0	18,0	21,0	24,0	27,0	30,0	33,0	36,0	39,0	42,0	45,0	48,0
120	ROLLING SHUTTER HEIGHT (cm)	4,8	6,0	7,2	8,4	9,6	10,8	12,0	13,2	14,4	15,6	16,8	18,0	19,2
		7,2	9,0	10,8	12,6	14,4	16,2	18,0	19,8	21,6	23,4	25,2	27,0	28,8
		9,6	12,0	14,4	16,8	19,2	21,6	24,0	26,4	28,8	31,2	33,6	36,0	38,4
		14,4	18,0	21,6	25,2	28,8	32,4	36,0	39,6	43,2	46,8	50,4	54,0	57,6
140	ROLLING SHUTTER HEIGHT (cm)	5,6	7,0	8,4	9,8	11,2	12,6	14,0	15,4	16,8	18,2	19,6	21,0	22,4
		8,4	10,5	12,6	14,7	16,8	18,9	21,0	23,1	25,2	27,3	29,4	31,5	33,6
		11,2	14,0	16,8	19,6	22,4	25,2	28,0	30,8	33,6	36,4	39,2	42,0	44,8
		16,8	21,0	25,2	29,4	33,6	37,8	42,0	46,2	50,4	54,6	58,8	63,0	67,2
160	ROLLING SHUTTER HEIGHT (cm)	6,4	8,0	9,6	11,2	12,8	14,4	16,0	17,6	19,2	20,8	22,4	24,0	25,6
		9,6	12,0	14,4	16,8	19,2	21,6	24,0	26,4	28,8	31,2	33,6	36,0	38,4
		12,8	16,0	19,2	22,4	25,6	28,8	32,0	35,2	38,4	41,6	44,8	48,0	51,2
		19,2	24,0	28,8	33,6	38,4	43,2	48,0	52,8	57,6	62,4	67,2	72,0	76,8
180	ROLLING SHUTTER HEIGHT (cm)	7,2	9,0	10,8	12,6	14,4	16,2	18,0	19,8	21,6	23,4	25,2	27,0	28,8
		10,8	13,5	16,2	18,9	21,6	24,3	27,0	29,7	32,4	35,1	37,8	40,5	43,2
		14,4	18,0	21,6	25,2	28,8	32,4	36,0	39,6	43,2	46,8	50,4	54,0	57,6
		21,6	27,0	32,4	37,8	43,2	48,6	54,0	59,4	64,8	70,2	75,6	81,0	86,4
200	ROLLING SHUTTER HEIGHT (cm)	8,0	10,0	12,0	14,0	16,0	18,0	20,0	22,0	24,0	26,0	28,0	30,0	32,0
		12,0	15,0	18,0	21,0	24,0	27,0	30,0	33,0	36,0	39,0	42,0	45,0	48,0
		16,0	20,0	24,0	28,0	32,0	36,0	40,0	44,0	48,0	52,0	56,0	60,0	64,0
		24,0	30,0	36,0	42,0	48,0	54,0	60,0	66,00	72,0	78,0	84,0	90,0	96,0
220	ROLLING SHUTTER HEIGHT (cm)	8,8	11,0	13,2	15,4	17,6	19,8	22,0	24,2	26,4	28,6	30,8	33,0	35,2
		13,2	16,5	19,8	23,1	26,4	29,7	33,0	36,3	39,6	42,9	46,2	49,5	52,8
		17,6	22,0	26,4	30,8	35,2	39,6	44,0	48,4	52,8	57,2	61,6	66,0	70,4
		26,4	33,0	39,6	46,2	52,8	59,4	66,0	72,6	79,2	85,8	92,4	99,0	105,6
240	ROLLING SHUTTER HEIGHT (cm)	9,6	12,0	14,4	16,8	19,2	21,6	24,0	26,4	28,8	31,2	33,6	36,0	38,4
		14,4	18,0	21,6	25,2	28,8	32,4	36,0	39,6	43,2	46,8	50,4	54,0	57,6
		19,2	24,0	28,8	33,6	38,4	43,2	48,0	52,8	57,6	62,4	67,2	72,0	76,8
		28,8	36,0	43,2	50,4	57,6	64,8	72,0	79,2	86,4	93,6	100,8	108,0	115,2
260	ROLLING SHUTTER HEIGHT (cm)	10,4	13,0	15,6	18,2	20,8	23,4	26,0	28,6	31,2	33,8	36,4	39,0	41,6
		15,6	19,5	23,4	27,3	31,2	35,1	39,0	42,9	46,8	50,7	54,6	58,5	62,4
		20,8	26,0	31,2	36,4	41,6	46,8	52,0	57,2	62,4	67,6	72,8	78,0	83,2
		31,2	39,0	46,8	54,6	62,4	70,2	78,0	85,8	93,6	101,4	109,2	117,0	124,8
280	ROLLING SHUTTER HEIGHT (cm)	11,2	14,0	16,8	19,6	22,4	25,2	28,0	30,8	33,6	36,4	39,2	42,0	44,8
		16,8	21,0	25,2	29,4	33,6	37,8	42,0	46,2	50,4	54,6	58,8	63,0	67,2
		22,4	28,0	33,6	39,2	44,8	50,4	56,0	61,6	67,2	72,8	78,4	84,0	89,6
		33,6	42,0	50,4	58,8	67,2	75,6	84,0	92,4	100,8	109,2	117,6	126,0	134,4

5 kg/m² 7,5 kg/m² 10 kg/m² 15 kg/m²

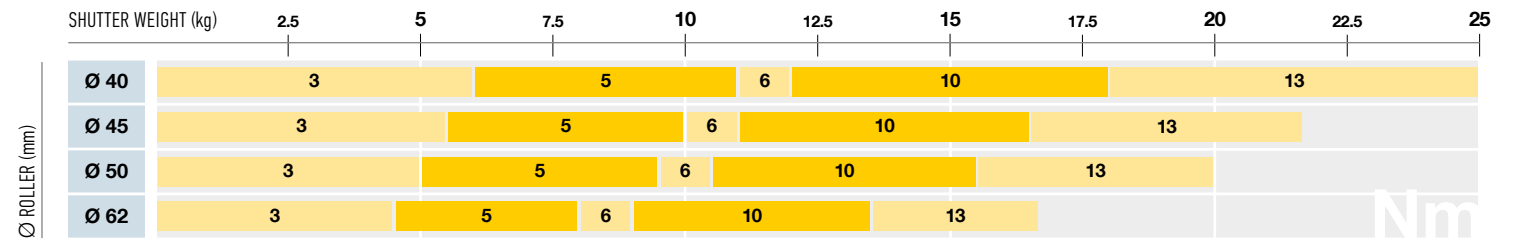
ROLLING SHUTTER WITH MAX. SLAT THICKNESS OF 9 mm AND MAX. HEIGHT OF 40 mm

TUBULAR MOTORS Ø 35 mm

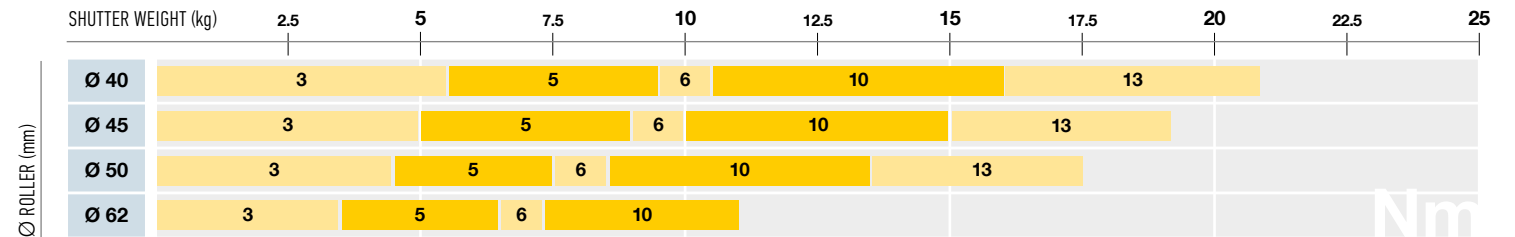
Rolling shutter height
up to 1.5 m



Rolling shutter height
from 1.5 m to 2.5 m



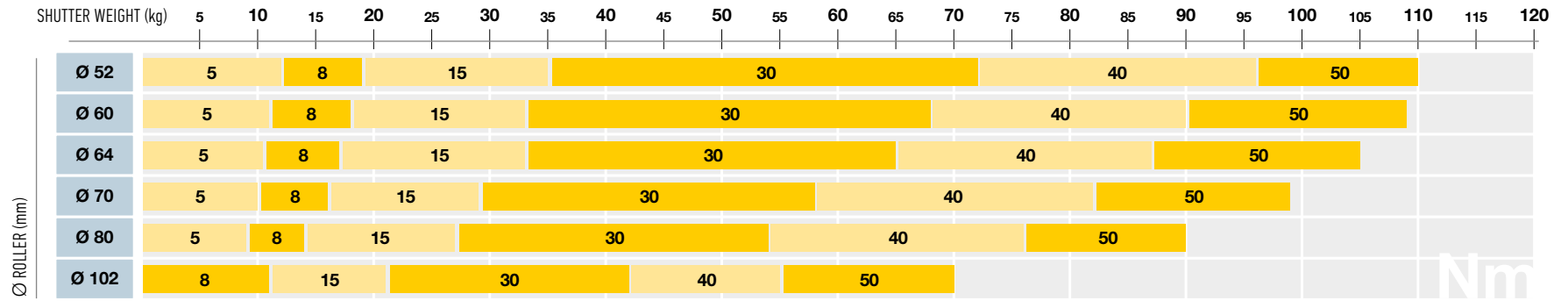
Rolling shutter height
from 2.5 m to 3.5 m



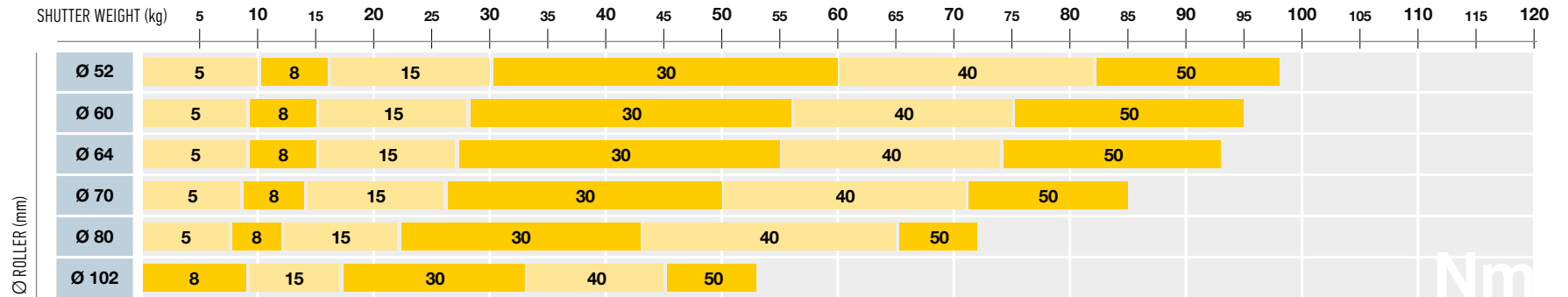
ROLLING SHUTTER WITH SLATS 14 mm WIDE AND A MAX. OF 55 mm HIGH

TUBULAR MOTORS Ø 45 mm

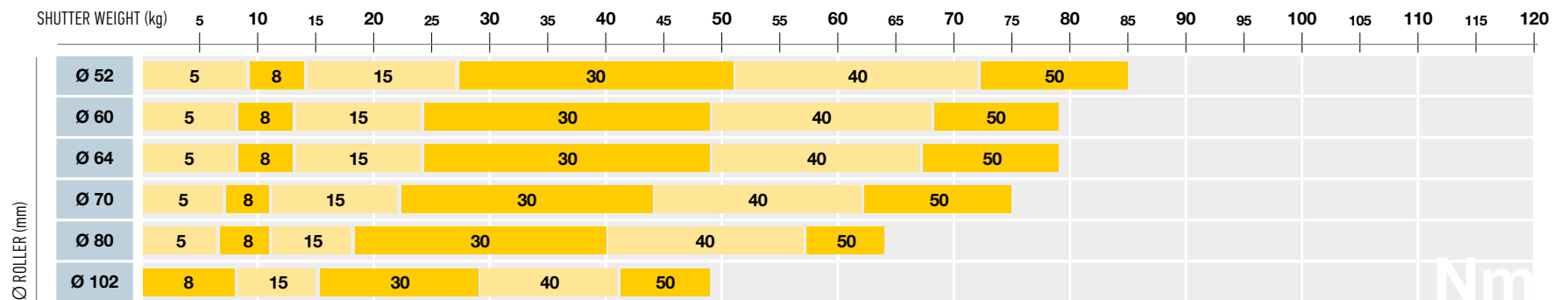
Rolling shutter height up to 1.5 m



Rolling shutter height from 1.5 m to 2.5 m



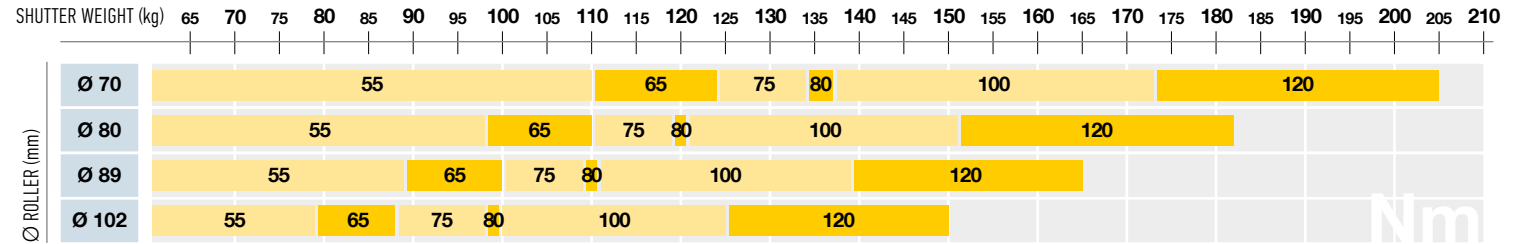
Rolling shutter height from 2.5 m to 3.5 m



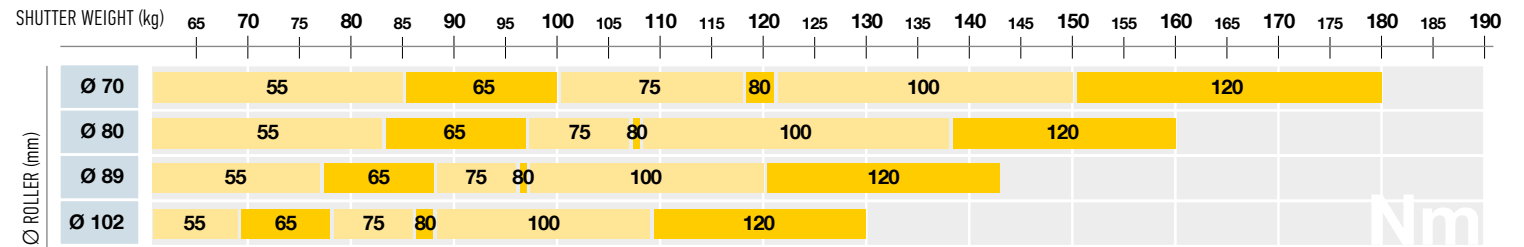
ROLLING SHUTTER WITH SLATS 14 mm WIDE AND A MAX. OF 55 mm HIGH

TUBULAR MOTORS Ø 58 mm

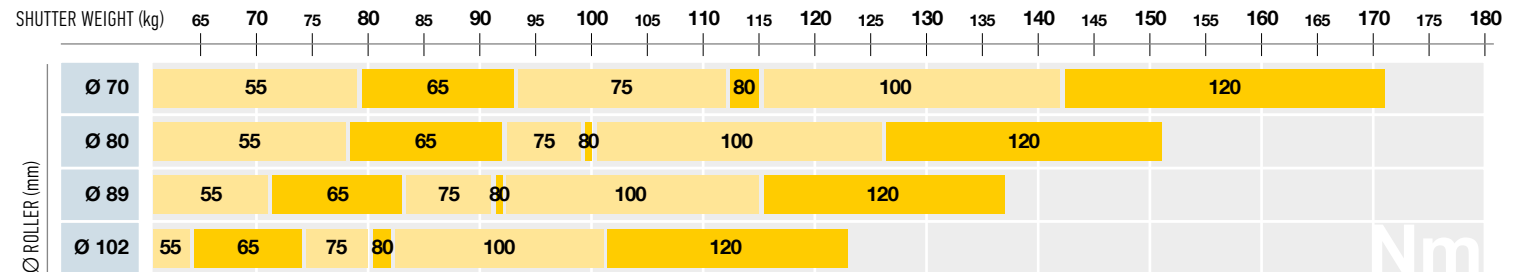
Shutter height
up to 1.5 m



Shutter height
from 1.5 m to 2.5 m



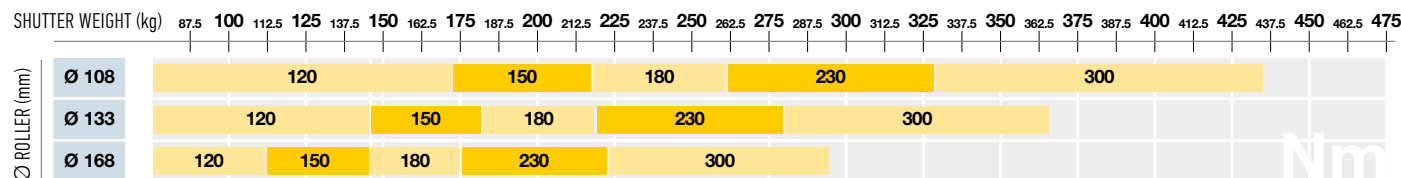
Shutter height
from 2.5 m to 3.5 m



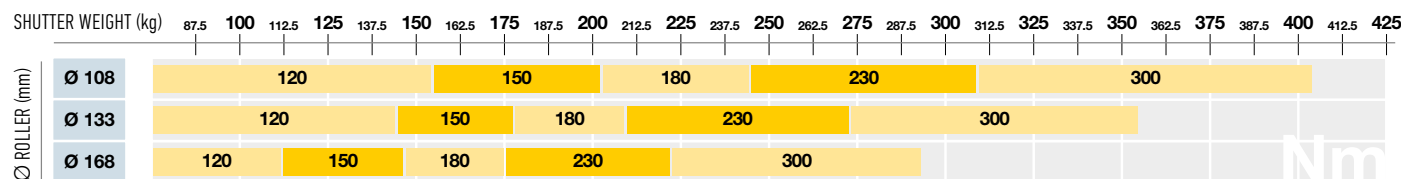
ROLLING SHUTTER WITH SLATS 14 mm WIDE AND A MAX. OF 100 mm HIGH

TUBULAR MOTORS Ø 90 mm

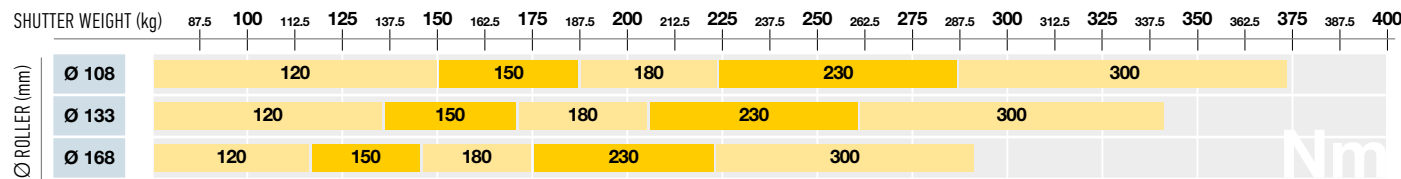
Rolling door or rolling shutter height up to 2 m



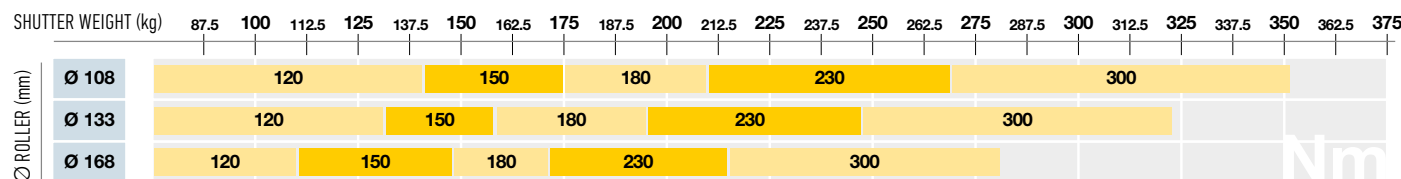
Rolling door or rolling shutter height from 2 m to 3 m



Height rolling door or rolling shutter from 3 m to 4 m



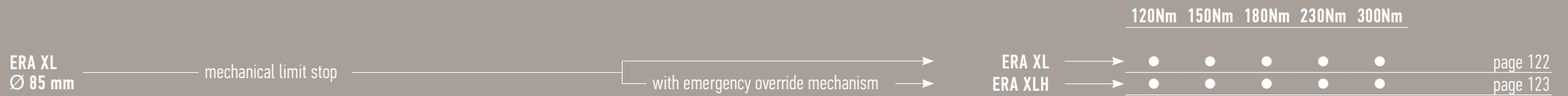
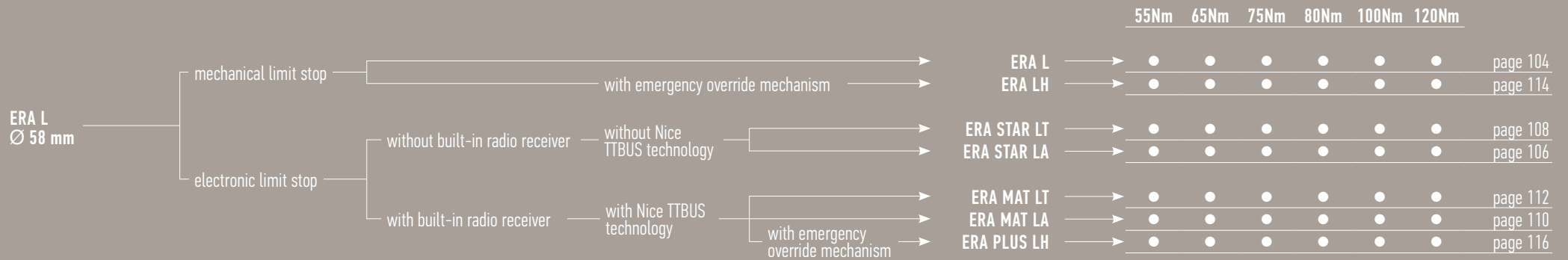
Height rolling door or rolling shutter from 4 m to 5 m



INDEX OF TUBULAR MOTORS

		3Nm	5Nm	6Nm	10Nm	13Nm		
ERA S Ø 35 mm	mechanical limit stop	●	●	●	●	●	ERA S → page 46	
	electronic limit stop	without built-in radio receiver	without Nice TTBUS technology		●	●	●	ERA STAR ST → page 52
			with Nice TTBUS technology		-	-	●	ERA STAR SA → page 48
			with emergency override mechanism		-	-	●	ERA STAR SP → page 50
	with built-in radio receiver	without Nice TTBUS technology		-	-	●	ERA FIT SP → page 54	
		with Nice TTBUS technology		-	-	●	ERA MAT SA → page 56	
		with emergency override mechanism		●	●	●	ERA MAT ST → page 58	

		4Nm	5Nm	8Nm	10Nm	15Nm	20Nm	30Nm	40Nm	50Nm		
ERA M Ø 45 mm	mechanical limit stop	without built-in radio receiver	●	●	●	●	-	●	●	●	ERA M → page 64	
		with built-in radio receiver	without Nice TTBUS technology	-	-	-	-	●	-	●	●	ERA MH → page 88
			with Nice TTBUS technology	-	-	-	-	●	-	●	●	ERA PLUS MH → page 90
	pushbutton limit stop	without built-in radio receiver	-	-	●	-	●	-	●	●	ERA QUICK M → page 66	
		with built-in radio receiver	-	-	●	-	●	-	●	●	ERA PLUS M → page 68	
	electronic limit stop	without built-in radio receiver	without Nice TTBUS technology		●	-	●	●	-	●	●	ERA STAR MT → page 74
			with Nice TTBUS technology		-	●	●	-	●	-	●	ERA STAR MA → page 70
			with emergency override mechanism		-	●	●	-	●	-	-	ERA STAR MP → page 72
		with built-in radio receiver	without Nice TTBUS technology		-	-	●	-	●	●	●	ERA FIT M → page 76
			with Nice TTBUS technology		-	●	●	-	●	-	-	ERA FIT MP → page 78
			with emergency override mechanism		-	-	-	-	●	-	●	ERA FIT MHT → page 92
		with Nice TTBUS technology		●	-	●	●	●	-	●	●	ERA MAT MT → page 82
		with Nice TTBUS technology		-	●	●	-	●	-	●	●	ERA MAT MA → page 80
		with Nice TTBUS technology		-	-	●	●	●	●	●	●	ERA MAT MO → page 84
	with Nice TTBUS technology		●	-	●	●	●	-	●	-	ERA MAT MVS → page 86	



ERA S

Easy to install

thanks to the new compact support and innovative click system to fasten the drive wheel.

Wired and/or radio connection to climatic sensors

via external control units.

Time saving and simple electrical connections:

thanks to the double insulation, no earth wire is required.

Tubular motor with mechanical limit stop.
Ideal for awnings, blinds and rolling shutters.
S size Ø 35 mm.

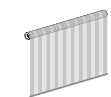
Suitable for all needs, available in versions of 3 Nm and 5 Nm at 24 rpm; 6 Nm, 10 Nm and 13 Nm at 11 rpm.

Particularly suitable for compact installations:
 useful length 402 mm, for motors with torque up to 10 Nm.

Ideal in environments where the noise level must be reduced to a minimum.

Simple and practical.

Intuitive adjustment of up and down limit positions, thanks to the mechanical limit stop.



Roller blinds



Awnings



Rolling shutters

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E S 324	3 Nm, 24 rpm, 6.5 kg*	1	NF CE
E S 524	5 Nm, 24 rpm, 11 kg*	1	NF CE
E S 611	6 Nm, 11 rpm, 12 kg*	1	NF CE
E S 1011	10 Nm, 11 rpm, 18 kg*	1	NF CE
E S 1311	13 Nm, 11 rpm, 25 kg*	1	NF CE

*Lifted weight, value calculated with 40 mm diameter octagonal roller.

TECHNICAL SPECIFICATION

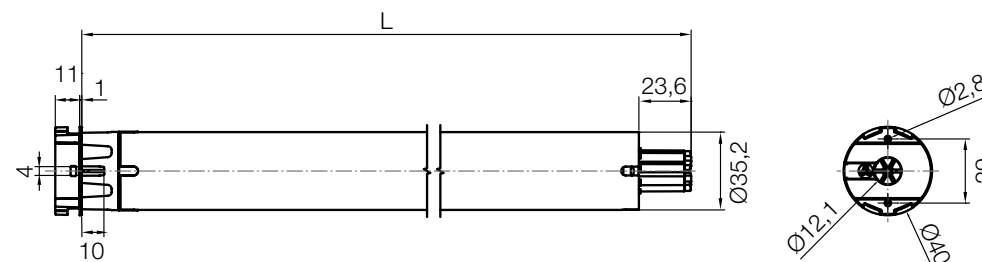
CODE	E S 324	E S 524	E S 611	E S 1011	E S 1311
ELECTRICAL SPECIFICATIONS					
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.38	0.54	0.40	0.54	0.55
POWER (W)	85	120	90	120	140
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5	<0.5	<0.5	<0.5
PERFORMANCE					
TORQUE (Nm)	3	5	6	10	13
SPEED (rpm)	24	24	11	11	11
WEIGHT LIFTED* (kg)	6.5	11	12	18	25
NUMBER OF TURNS BEFORE THE STOP	35	35	35	35	35
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4
DIMENSIONAL DATA					
LENGTH (L) (mm)	402	402	402	402	422
WEIGHT OF MOTOR (kg)	1	1	1	1	1.2
PACK DIMENSIONS (mm)	90x90x440	90x90x440	90x90x440	90x90x440	90x90x465

* Value calculated with 40 mm diameter octagonal roller. Protection class IP44.

Cable length 2.5 m, 3 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



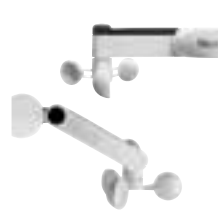
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



CONTROL UNITS FOR SURFACE, CONCEALED OR PASSTHROUGH INSTALLATION.
MINDY, TT1 AND TT2

ERA STAR SA

**Tubular motor with electronic limit switch.
Ideal for rolling shutters.
S size Ø 35 mm.**

Complete and intuitive programming.

Simple limit stop adjustment in manual, semi-automatic and automatic mode.

Useful feedback from rolling shutter movement.

Flawless movement even with friction:

thanks to control of raising force, protects the shutter from damage during freezing conditions and recognises obstacles during lowering. This recognition is adjustable.

Guarantees adequate protection against break-in when the rolling shutter is equipped with anti-intrusion springs.

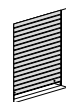
Safety for the automation.

High precision shutter positions: dynamic auto-update of limit stop positions (automatic and semi-automatic modes only) to compensate for expansion or shrinkage of the structure over time. The **encoder technology** in fact guarantees millimetric precision, maintenance of set values over time (including in high temperatures) and constant optimum force on the shutter.

The built-in circuit board allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

Time saving and simple electrical connections: thanks to the double insulation, no earth wire is required.

Low consumption in stand-by.



Rolling shutters

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E STAR SA 611	6 Nm, 11 rpm, 12 kg*	1	NF CE
E STAR SA 1011	10 Nm, 11 rpm, 18 kg*	1	NF CE

*Lifted weight, value calculated with 40 mm diameter octagonal roller.

TECHNICAL SPECIFICATION

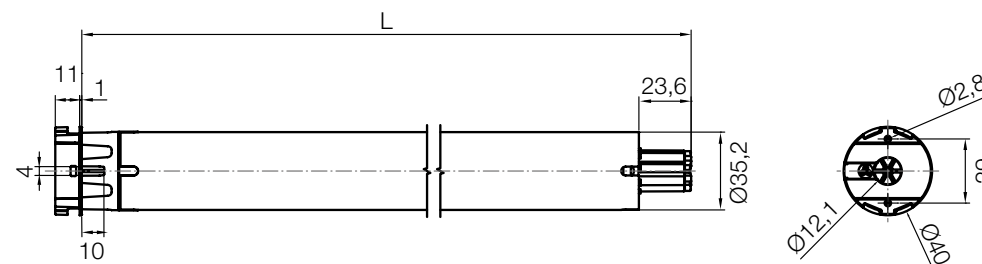
CODE	E STAR SA 611	E STAR SA 1011
ELECTRICAL SPECIFICATIONS		
POWER SUPPLY (VAC/Hz)	230/50	230/50
ABSORPTION (A)	0.40	0.54
POWER (W)	90	120
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5
PERFORMANCE		
TORQUE (Nm)	6	10
SPEED (rpm)	11	11
WEIGHT LIFTED* (kg)	12	18
NUMBER OF TURNS BEFORE THE STOP	>100	>100
CONTINUOUS OPERATING TIME (min)	4	4
DIMENSIONAL DATA		
LENGTH (L) (mm)	496	496
WEIGHT OF MOTOR (kg)	1	2,45
PACK DIMENSIONS (mm)	90x90x530	90x90x530

* Value calculated with 40 mm diameter octagonal roller. **Protection class IP44.**

Cable length 2.5 m, 3 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



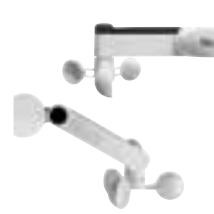
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



CONTROL UNITS FOR SURFACE, CONCEALED OR PASSTHROUGH INSTALLATION.
MINDY, TT1 AND TT2



ELECTRONIC LIMIT SWITCH PROGRAMMING UNIT.
TTU

ERA STAR SP

Tubular motor with electronic limit switch. Ideal for rolling shutters with safety stops and anti-intrusion springs. S size Ø 35 mm.

Maximum ease of installation and maintenance.

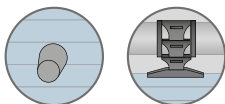
No programming required, thanks to the PLUG-AND-PLAY INSTALLATION with automatic continuous memorising of limit stop positions (dynamic auto-update).



Flawless movement even with friction:

thanks to control of raising force, protects the shutter from damage during freezing conditions and recognises obstacles during lowering. Guarantees adequate protection against break-in.

SAFETY STOPS AND ANTI-INTRUSION SPRINGS



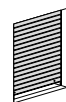
Safety for the automation.

High precision shutter positions: dynamic auto-update of limit stop positions to compensate for expansion or shrinkage of the structure over time. **The encoder technology** in fact guarantees millimetric precision, maintenance of set values over time (including in high temperatures) and constant optimum force on the shutter.

The built-in circuit board allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

Time saving and simple electrical connections: thanks to the double insulation, no earth wire is required.

Low consumption in stand-by.



Rolling shutters

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E STAR SP 611	6 Nm, 11 rpm, 12 kg*	1	NF CE
E STAR SP 1011	10 Nm, 11 rpm, 18 kg*	1	NF CE

*Lifted weight, value calculated with 40 mm diameter octagonal roller

TECHNICAL SPECIFICATION

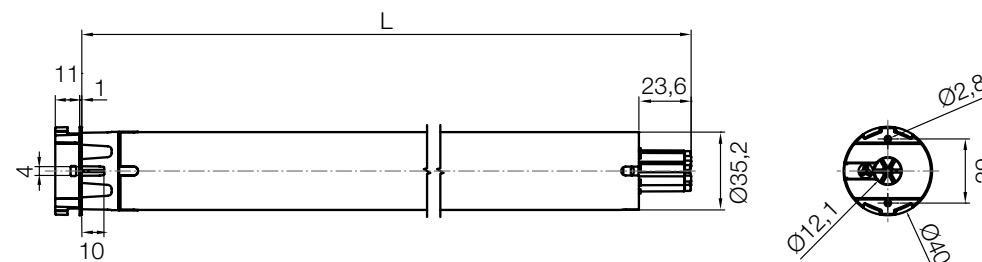
CODE	E STAR SP 611	E STAR SP 1011
ELECTRICAL SPECIFICATIONS		
POWER SUPPLY (VAC/Hz)	230/50	230/50
ABSORPTION (A)	0.40	0.54
POWER (W)	90	120
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5
PERFORMANCE		
TORQUE (Nm)	6	10
SPEED (rpm)	11	11
WEIGHT LIFTED* (kg)	12	18
NUMBER OF TURNS BEFORE THE STOP	>100	>100
CONTINUOUS OPERATING TIME (min)	4	4
DIMENSIONAL DATA		
LENGTH (L) (mm)	496	496
WEIGHT OF MOTOR (kg)	1	2.45
PACK DIMENSIONS (mm)	90x90x530	90x90x530

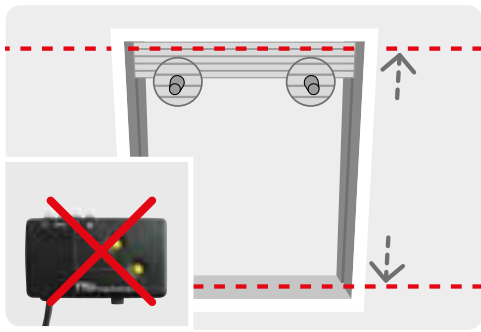
* Value calculated with 40 mm diameter octagonal roller. Protection class IP44.

Cable length 2.5 m, 3 wires in cable



DIMENSIONS





PLUG-AND-PLAY FUNCTION: NO LIMIT STOP PROGRAMMING REQUIRED

IDEAL CONTROL SYSTEMS



PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



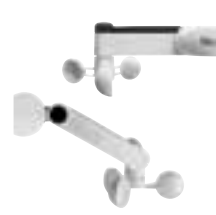
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



CONTROL UNITS FOR SURFACE, CONCEALED OR PASSTHROUGH INSTALLATION.
MINDY, TT1 AND TT2



ELECTRONIC LIMIT SWITCH PROGRAMMING UNIT.
TTU

ERA STAR ST

Tubular motor with electronic limit switch.
Ideal for roller blinds and awnings with straight arms with manual and/or automatic hooking.
S size Ø 35 mm.

Complete and intuitive programming.

Semi-automatic, manual and automatic programming modes, guided with simple visual indications.

Useful feedback through movement of the awning.

Exclusive functions:

RDC adjustable torque reduction system to stop movement smoothly without straining the fabric when the closed position is reached in box awnings.

FRT withdraws the fabric by a programmable amount when the fully open position has been reached, thereby eliminating unsightly sagging.

FTC specific for the automation of awnings with blocking mechanism with automatic hooking.

FTA specific for the automation of awnings with blocking mechanism with manual hooking. Guarantees correct fabric tensioning in one or more points where the manual blocking mechanism is positioned.

Safety for the automation.

High precision shutter positions dynamic auto-update of limit stop positions to compensate for expansion or shrinkage of the fabric over time. The **encoder technology** in fact guarantees millimetric precision, maintenance of set values over time (including in high temperatures) and constant optimum force on the shutter.

The built-in circuit board allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

Wired and/or radio connection to climatic sensors via external control units.

Time saving and simple electrical connections: thanks to the double insulation, no earth wire is required.

Low consumption in stand-by.



Roller blinds



Awnings

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E STAR ST 324	3 Nm, 24 rpm	1	NF CE
E STAR ST 524	5 Nm, 24 rpm	1	NF CE
E STAR ST 611	6 Nm, 11 rpm	1	NF CE
E STAR ST 1011	10 Nm, 11 rpm	1	NF CE

TECHNICAL SPECIFICATION

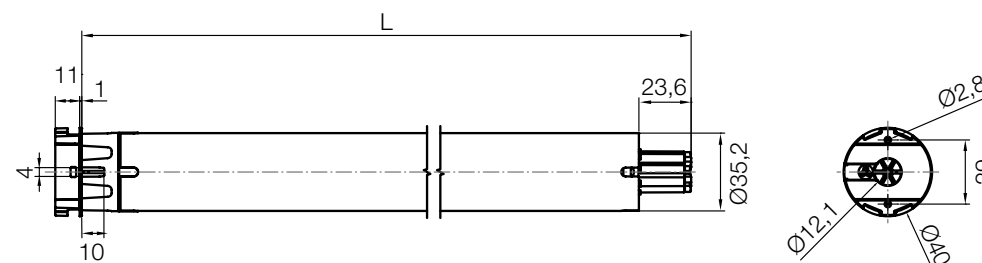
CODE	E STAR ST 324	E STAR ST 524	E STAR ST 611	E STAR ST 1011
ELECTRICAL SPECIFICATIONS				
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.38	0.54	0.40	0.54
POWER (W)	85	120	90	120
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5	<0.5	<0.5
PERFORMANCE				
TORQUE (Nm)	3	5	6	10
SPEED (rpm)	24	24	11	11
NUMBER OF TURNS BEFORE THE STOP	>100	>100	>100	>100
CONTINUOUS OPERATING TIME (min)	4	4	4	4
DIMENSIONAL DATA				
LENGTH (L) (mm)	496	496	496	496
WEIGHT OF MOTOR (kg)	1	1	1	2.45
PACK DIMENSIONS (mm)	90x90x530	90x90x530	90x90x530	90x90x530

Protection class IP44.

Cable length 2.5 m, 3 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



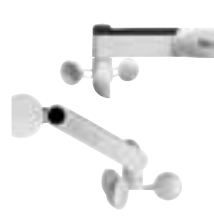
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



CONTROL UNITS FOR SURFACE, CONCEALED OR PASSTHROUGH INSTALLATION.
MINDY, TT1 AND TT2



ELECTRONIC LIMIT SWITCH PROGRAMMING UNIT.
TTU

ERA FIT SP

RADIO

Tubular motor with electronic limit switch and built-in receiver.
Ideal for rolling shutters with safety stops and anti-intrusion springs.
S size Ø 35 mm.

Maximum ease of installation and maintenance.

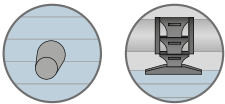
No programming required, thanks to the PLUG-AND-PLAY INSTALLATION with automatic continuous memorising of limit stop positions (dynamic auto-update).



Exclusive SMART-MEMO function: during installation of the rolling shutter, recognises any Nice transmitter as a "testing transmitter", without having to perform the memorising procedure. The memory is cleared by simply disconnecting the gearmotor.



SAFETY STOPS AND ANTI-INTRUSION SPRINGS



Flawless movement even with friction: thanks to control of raising force, protects the shutter from damage during freezing conditions and recognises obstacles during lowering.
 Guarantees adequate protection against break-in.

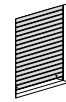
Safety for the automation.

High precision shutter positions dynamic auto-update of limit stop positions to compensate for expansion or shrinkage of the structure over time. The **encoder technology** in fact guarantees millimetric precision, maintenance of set values over time (including in high temperatures) and constant optimum force on the shutter.

A number of motors can be connected in parallel from a single control point without the need for additional control units.

Time saving and simple electrical connections: thanks to the double insulation, no earth wire is required.

Low consumption in stand-by.



Rolling shutters

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E FIT SP 611	6 Nm, 11 rpm, 12 kg*	1	
E FIT SP 1011	10 Nm, 11 rpm, 18 kg*	1	

*Lifted weight, value calculated with 40 mm diameter octagonal roller

TECHNICAL SPECIFICATION

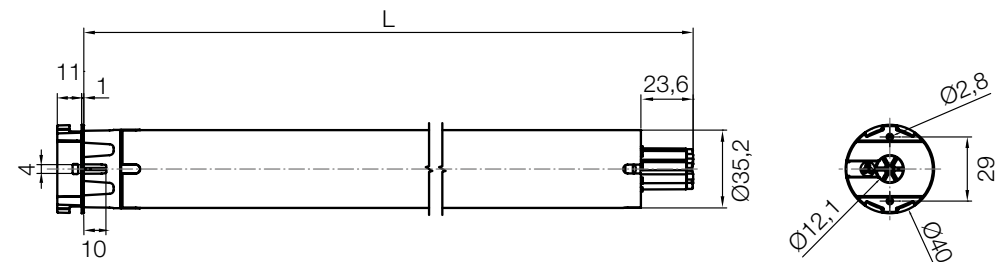
CODE	E FIT SP 611	E FIT SP 1011
ELECTRICAL SPECIFICATIONS		
POWER SUPPLY (VAC/Hz)	230/50	230/50
ABSORPTION (A)	0.40	0.54
POWER (W)	90	120
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5
PERFORMANCE		
TORQUE (Nm)	6	10
SPEED (rpm)	11	11
WEIGHT LIFTED* (kg)	12	18
NUMBER OF TURNS BEFORE THE STOP	>100	>100
CONTINUOUS OPERATING TIME (min)	4	4
DIMENSIONAL DATA		
LENGTH (L) (mm)	496	496
WEIGHT OF MOTOR (kg)	1	2.45
PACK DIMENSIONS (mm)	90x90x530	90x90x530

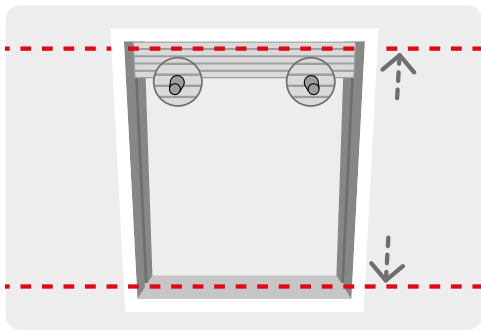
* Value calculated with 40 mm diameter octagonal roller. **Protection class IP44.**

Cable length 2.5 m, 2 wires in cable



DIMENSIONS





PLUG-AND-PLAY FUNCTION: NO LIMIT STOP PROGRAMMING REQUIRED

IDEAL CONTROL SYSTEMS



PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



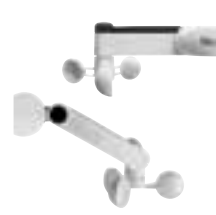
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES

ERA MAT SA

RADIO TTBUS

Tubular motor with electronic limit switch, built-in receiver and Nice TTBUS technology. Ideal for rolling shutters. S size Ø 35 mm.

Complete and intuitive programming.

Convenient remote adjustment of limit stop positions by transmitter or with the 0-View TT and TTP external programming units in automatic, semi-automatic or manual mode.

Useful feedback from rolling shutter movement.

Level programming: quick and safe.

Thanks to this function, there are a number of possible settings. If an incorrect selection is made, programming begins again from the previous level without the need to reprogramme all the settings programmed up to that point.

Memory locking to prevent accidental memorising.

Adjustment of a number of intermediate opening positions.

Thanks to Nice TTBUS 3-wire technology:

motor movement can be controlled by a low-voltage control;

The built-in circuit board allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

Safety for the automation.

High precision shutter positions dynamic auto-update of limit stop positions (automatic and semi-automatic modes only) to compensate for expansion or shrinkage of the structure over time. The **encoder technology** in fact guarantees millimetric precision, maintenance of set values over time (including in high temperatures) and constant optimum force on the shutter.

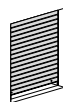
Flawless movement even with friction:

thanks to control of raising force, protects the shutter from damage during freezing conditions and recognises obstacles during lowering. This recognition is adjustable. Guarantees adequate protection against break-in.

Time saving and simple electrical connections:

thanks to the double insulation, no earth wire is required.

Low consumption in stand-by.



Rolling shutters

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E MAT SA 611	6 Nm, 11 rpm, 12 kg*	1	
E MAT SA 1011	10 Nm, 11 rpm, 18 kg*	1	

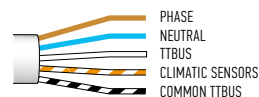
*Lifted weight, value calculated with 40 mm diameter octagonal roller

TECHNICAL SPECIFICATION

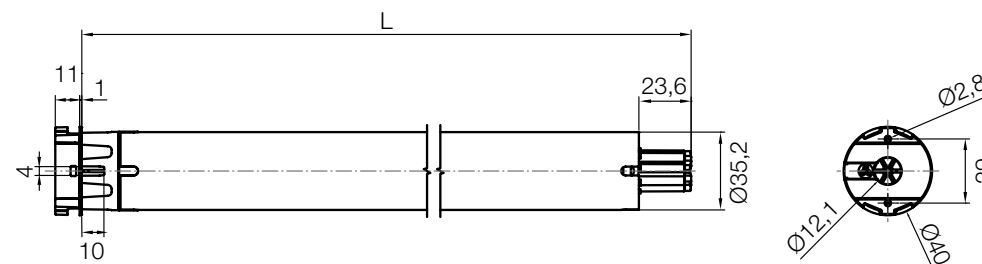
CODE	E MAT SA 611	E MAT SA 1011
ELECTRICAL SPECIFICATIONS		
POWER SUPPLY (VAC/Hz)	230/50	230/50
ABSORPTION (A)	0.40	0.54
POWER (W)	90	120
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5
PERFORMANCE		
TORQUE (Nm)	6	10
SPEED (rpm)	11	11
WEIGHT LIFTED* (kg)	12	18
NUMBER OF TURNS BEFORE THE STOP	>100	>100
CONTINUOUS OPERATING TIME (min)	4	4
DIMENSIONAL DATA		
LENGTH (L) (mm)	496	496
WEIGHT OF MOTOR (kg)	1	2.45
PACK DIMENSIONS (mm)	90x90x530	90x90x530

* Value calculated with 40 mm diameter octagonal roller. **Protection class IP44.**

Cable length 2.5 m, 5 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



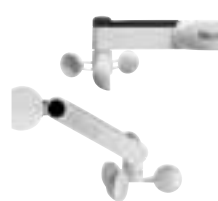
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



PROGRAMMING UNIT AND INTERFACE WITH PROGRAMMING SOFTWARE.
O-VIEW TT, TTP

ERA MAT ST

RADIO TTBUS

Tubular motor with electronic limit switch, built-in receiver and Nice TTBus technology. Ideal for roller blinds and awnings with straight arms. S size Ø 35 mm.

Complete and intuitive programming.

Convenient remote adjustment of limit stop positions by transmitter or with the O-View TT and TTP external programming units in automatic, semi-automatic or manual mode.

Useful feedback through movement of the awning.

Level programming: quick and safe.

Thanks to this function, there are a number of possible settings. If an incorrect selection is made, programming begins again from the previous level without the need to reprogramme all the settings programmed up to that point.

Memory locking to prevent accidental memorising.

Adjustment of a number of intermediate opening positions.

Thanks to Nice TTBus 3-wire technology:

motor movement can be managed by means of a low-voltage control; simple and intuitive connection to climatic sensors by wire without external control units and/or via radio.

The built-in circuit board allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

The encoder technology guarantees millimetric precision, reliability and maintenance of set values over time.

Exclusive functions:

FRT withdraws the fabric by a programmable amount when the fully open position has been reached, thereby eliminating unsightly sagging.

RDC torque reduction system to stop movement smoothly without straining the fabric when the closed position is reached.

FTC specific for awnings with blocking mechanism with automatic hooking.

FTA specific for the automation of awnings with blocking mechanism with manual hooking. Guarantees correct fabric tensioning in one or more points where the manual blocking mechanism is positioned.

Time saving and simple electrical connections: thanks to the double insulation, no earth wire is required.

Low consumption in stand-by.



Roller blinds



Awnings

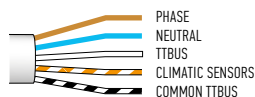
CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E MAT ST 324	3 Nm, 24 rpm	1	
E MAT ST 524	5 Nm, 24 rpm	1	
E MAT ST 611	6 Nm, 11 rpm	1	
E MAT ST 1011	10 Nm, 11 rpm	1	

TECHNICAL SPECIFICATION

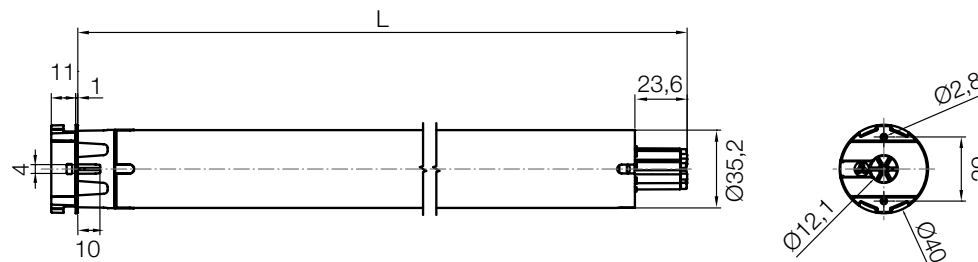
CODE	E MAT ST 324	E MAT ST 524	E MAT ST 611	E MAT ST 1011
ELECTRICAL SPECIFICATIONS				
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.38	0.54	0.40	0.54
POWER (W)	85	120	90	120
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5	<0.5	<0.5
PERFORMANCE				
TORQUE (Nm)	3	5	6	10
SPEED (rpm)	24	24	11	11
NUMBER OF TURNS BEFORE THE STOP	>100	>100	>100	>100
CONTINUOUS OPERATING TIME (min)	4	4	4	4
DIMENSIONAL DATA				
LENGTH (L) (mm)	496	496	496	496
WEIGHT OF MOTOR (kg)	1	1	1	1
PACK DIMENSIONS (mm)	90x90x530	90x90x530	90x90x530	90x90x530

Protection class IP44.

Cable length 2.5 m, 5 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



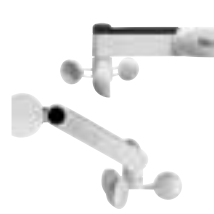
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES

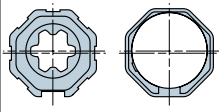
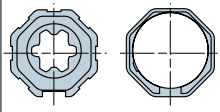
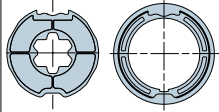
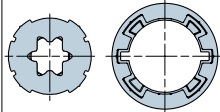
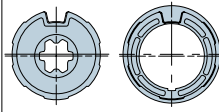
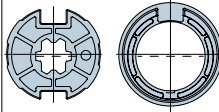
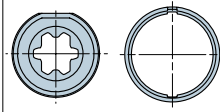
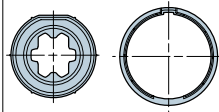
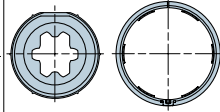
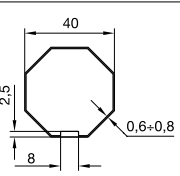
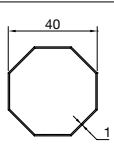
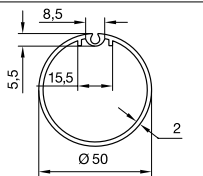
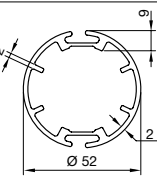
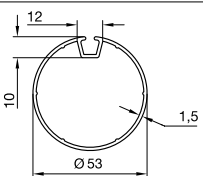
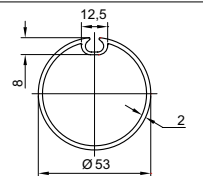
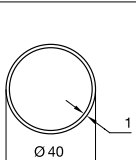
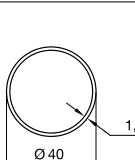
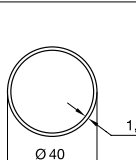
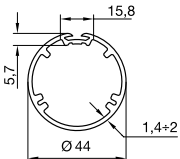
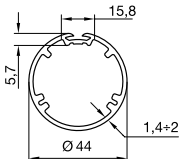


LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES

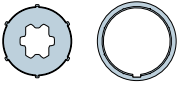
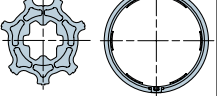
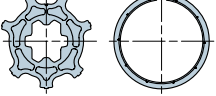

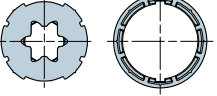
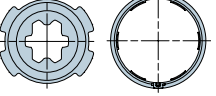
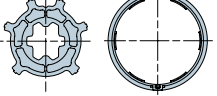
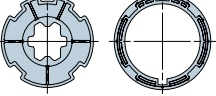
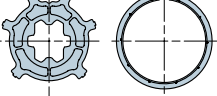


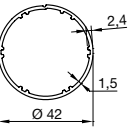
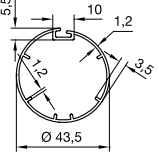
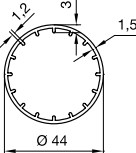
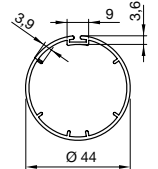
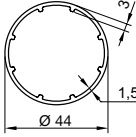
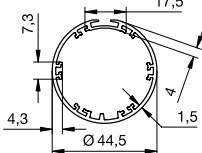
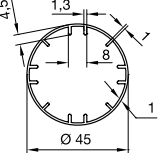
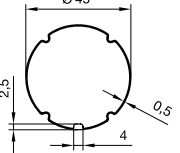
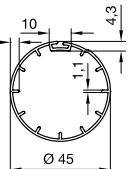
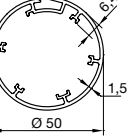
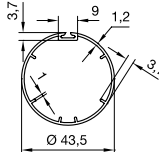
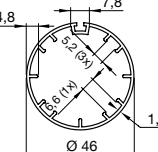
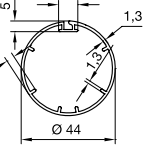
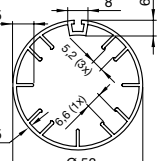
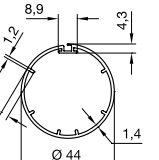
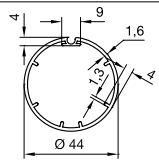
PROGRAMMING UNIT AND INTERFACE WITH PROGRAMMING SOFTWARE.
O-VIEW TT, TTP

ADAPTERS - ERA S SERIES Ø 35 mm

COMPATIBLE ADAPTERS	
 <p>503.04000 Octagonal 40x(0.6-0.8) wheel + crown</p>	 <p>503.04001 Octagonal 40x1 wheel + crown</p>
 <p>503.15000 Notch 50x2 wheel + crown</p>	 <p>513.15200 Notch 52x2 Benthin wheel + crown</p>
 <p>503.15300 Notch 53x1.5 wheel + crown</p>	 <p>503.15301 Notch 53x2 wheel + crown</p>
 <p>503.24000 Round 40x1 wheel + crown</p>	 <p>513.24000 Round 40x1 wheel + crown</p>
 <p>513.24015 Round 40x1.5 wheel + crown</p>	
↑	
 <p>OCTAGONAL 40</p>	 <p>OCTAGONAL 40</p>
 <p>ROUND 50 WITH SPECIAL NOTCH</p>	 <p>NOTCH 52 BENTHIN</p>
 <p>ROUND 53 WITH SPECIAL NOTCH</p>	 <p>NOTCH 53</p>
 <p>ROUND 40</p>	 <p>ROUND 40</p>
 <p>ROUND 40</p>	
↑	
 <p>ROUND 44 WITH SPECIAL NOTCH</p>	 <p>ROUND 44 WITH SPECIAL NOTCH</p>

TYPE OF ROLLER PRESENT IN THE SYSTEM

								
513.24200 Round 42x1.5 Coulisse wheel + crown	513.24215 Round 44 wheel + crown	503.24115 Round 44x3.5 wheel + crown	503.24315 Round with ribbing and 37 inner size wheel + crown	513.24401 Round 44x1.5 Benthin wheel + crown	513.24415 Round 44.5x1.5 wheel + crown	513.24515 Round 45x4.5 wheel + crown	503.24500 ZF45 wheel + crown	503.24615 Notch 45x4 wheel + crown

 ROUND 42 COULISSE	 ROUND 43.5-A	 ROUND 44	 ROUND 44	 ROUND 44 BENTHIN	 ROUND 44.5	 ROUND 45	 ZF45	 ROUND 45
 NOTCH 50 COULISSE	 ROUND 43.5-B		 ROUND 46					
	 ROUND 44-A		 ROUND 53					
	 ROUND 44-B							
	 ROUND 44-C							

ADAPTERS - ERA S SERIES Ø 35 mm

COMPATIBLE ADAPTERS							
	503.25000 Round 50x1.5 wheel + crown	503.25001 Round 50 Rollease (Roller 2.00K) wheel + crown	503.25003 Round 45 ACMEDA with inner ribbing wheel + crown	503.25300 Notch 53x1,5 HD wheel + crown	503.26000 Round 60x2 with special notch and inner ridges wheel + crown	503.26200 Round 63x1.5 (Welser) - 62x0.6 (Deprat) wheel + crown	503.26201 Oval with notch 61-64x1.5 wheel + crown
TYPE OF ROLLER PRESENT IN THE SYSTEM							
	ROUND 50	ROUND 50	ROUND 49	NOTCH HD 53	ROUND 60X2 WITH SPECIAL NOTCH	ROUND 63	OVAL 61/64
					NOTCH WELSER 63		
					DEPRAT 62		

ERA M

Simple and practical.

Intuitive adjustment of up and down limit positions, thanks to the mechanical limit stop.

Easy to install

thanks to the new compact support and innovative click system to fasten the drive wheel.

Wired and/or radio connection to climatic sensors

via external control units.

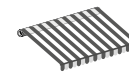
Tubular motor with mechanical limit stop.
Ideal for awnings, blinds and rolling shutters.
M size Ø 45 mm.

Solutions to meet all needs, usable both for large-scale applications with the 50 Nm 12 rpm version and small structures with the high speed 4 Nm 26 rpm version.

Particularly suitable for compact installations:
 useful length 426 mm.



Roller blinds



Awnings



Rolling shutters

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E M 426	4 Nm, 26 rpm, 8 kg*	1	NF CE
E M 1026	10 Nm, 26 rpm, 19 kg*	1	NF CE
E M 517	5 Nm, 17 rpm, 9 kg*	1	NF CE
E M 817	8 Nm, 17 rpm, 15 kg*	1	NF CE
E M 1517	15 Nm, 17 rpm, 28 kg*	1	NF CE
E M 3017	30 Nm, 17 rpm, 56 kg*	1	NF CE
E M 4012	40 Nm, 12 rpm, 75 kg*	1	NF CE
E M 5012	50 Nm, 12 rpm, 95 kg*	1	NF CE

*Lifted weight, value calculated with 60 mm diameter roller.

Products also available in multiple packs. For more information, contact your local dealer.

TECHNICAL SPECIFICATION

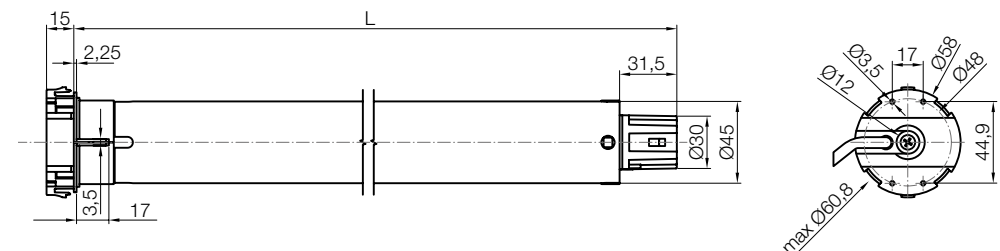
CODE	E M 426	E M 1026	E M 517	E M 817	E M 1517	E M 3017	E M 4012	E M 5012
ELECTRICAL SPECIFICATIONS								
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.50	0.78	0.33	0.55	0.75	1.10	1.10	1.10
POWER (W)	108	150	75	120	170	250	245	250
PERFORMANCE								
TORQUE (Nm)	4	10	5	8	15	30	40	50
SPEED (rpm)	26	26	17	17	17	17	12	12
LIFTED WEIGHT* (kg)	8	19	9	15	28	56	75	95
NUMBER OF TURNS BEFORE THE STOP	27	27	27	27	27	27	27	27
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4	4	4	4
DIMENSIONAL DATA								
LENGTH (L) (mm)	426	451	426	426	451	486	486	486
WEIGHT OF MOTOR (kg)	1.85	1.95	1.85	1.85	2.15	2.45	2.45	2.45
PACK DIMENSIONS (mm)	90x90x440	90x90x465	90x90x440	90x90x440	90x90x440	90x90x500	90x90x500	90x90x500

*Value calculated with 60 mm diameter roller. Protection class IP44.

Cable length 2.5 m, 4 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



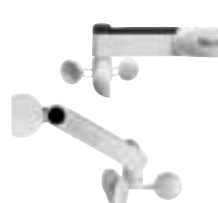
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



CONTROL UNITS FOR SURFACE, CONCEALED OR PASSTHROUGH INSTALLATION.
MINDY, TT1 AND TT2

ERA QUICK M

Easy to install
thanks to the new compact support and innovative click system
to fasten the drive wheel.

Wired and/or radio connection to climatic sensors
via external control units.

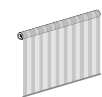
Tubular motor with pushbutton limit stop,
ideal for awnings, blinds and rolling shutters.
M size Ø 45 mm.

Simpler installation and programming.

Easy intuitive **limit stop adjustment using the pushbutton**
corresponding to the direction of rotation.

The built-in circuit board allows a number of motors
to be connected in parallel from a single control point
without the need for additional control units.

EASY PUSHBUTTON ADJUSTMENT OF LIMIT
STOP POSITIONS.



Roller blinds



Awnings



Rolling shutters

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E QUICK M 817	8 Nm, 17 rpm, 15 kg*	1	NF CE
E QUICK M 1517	15 Nm, 17 rpm, 28 kg*	1	NF CE
E QUICK M 3017	30 Nm, 17 rpm, 56 kg*	1	NF CE
E QUICK M 4012	40 Nm, 12 rpm, 75 kg*	1	NF CE
E QUICK M 5012	50 Nm, 12 rpm, 95 kg*	1	NF CE

*Lifted weight, value calculated with 60 mm diameter octagonal roller.
Products also available in multiple packs. For more information, contact your local dealer.

TECHNICAL SPECIFICATION

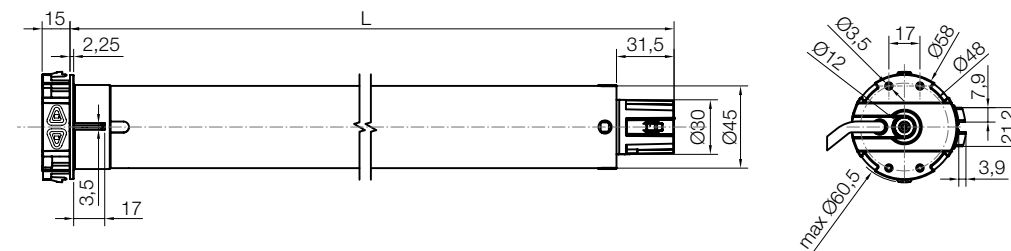
CODE	E QUICK M 817	E QUICK M 1517	E QUICK M 3017	E QUICK M 4012	E QUICK M 5012
ELECTRICAL SPECIFICATIONS					
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.55	0.75	1.10	1.10	1.10
POWER (W)	120	170	250	245	250
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5	<0.5	<0.5	<0.5
PERFORMANCE					
TORQUE (Nm)	8	15	30	40	50
SPEED (rpm)	17	17	17	12	12
LIFTED WEIGHT* (kg)	15	28	56	75	95
NUMBER OF TURNS BEFORE THE STOP	92	92	92	92	92
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4
DIMENSIONAL DATA					
LENGTH (L) (mm)	426	451	486	486	486
WEIGHT OF MOTOR (kg)	2.15	2.45	2.65	2.65	2.65
PACK DIMENSIONS (mm)	90x90x465	90x90x500	90x90x530	90x90x530	90x90x530

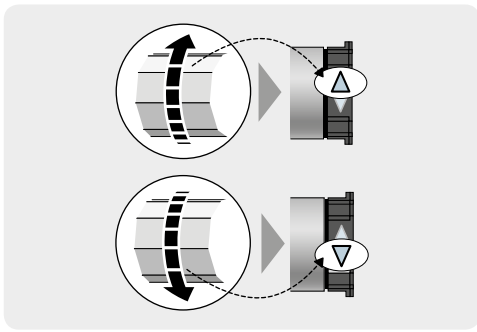
*Value calculated with 60 mm diameter octagonal roller. Protection class IP44.

Cable length 2.5 m, 4 wires in cable



DIMENSIONS





INTUITIVE PUSHBUTTON ADJUSTMENT

IDEAL CONTROL SYSTEMS



PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



CONTROL UNITS FOR SURFACE, CONCEALED OR PASSTHROUGH INSTALLATION.
MINDY, TT1 AND TT2

ERA PLUS M

RADIO TTBUS

Tubular motor with pushbutton limit stop, built-in radio receiver and Nice TTBUS technology. Ideal for awnings, blinds and rolling shutters. M size \varnothing 45 mm.

Simpler installation and programming.

Easy intuitive **limit stop adjustment using the pushbutton** corresponding to the direction of rotation, **by transmitter or with the 0-View TT and TTP external programming units.**

During programming, useful feedback from rolling shutter movement.

Level programming: quick and safe.

Thanks to this function, there are a number of possible settings. If an incorrect selection is made, programming begins again from the previous level without the need to reprogramme all the settings programmed up to that point.

EASY PUSHBUTTON ADJUSTMENT OF LIMIT STOP POSITIONS.



Thanks to Nice TTBus 3-wire technology: motor movement can be managed by means of a low-voltage control; simple and intuitive connection to climatic sensors by wire without external control units and/or via radio.

The built-in circuit board allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

Safety for the automation.

The **encoder technology** guarantees millimetric precision, reliability and maintenance of set values over time.

Low consumption in stand-by.



CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E PLUS M 817	8 Nm, 17 rpm	1	CE
E PLUS M 1517	15 Nm, 17 rpm	1	CE
E PLUS M 3017	30 Nm, 17 rpm	1	CE
E PLUS M 4012	40 Nm, 12 rpm	1	CE
E PLUS M 5012	50 Nm, 12 rpm	1	CE

TECHNICAL SPECIFICATION

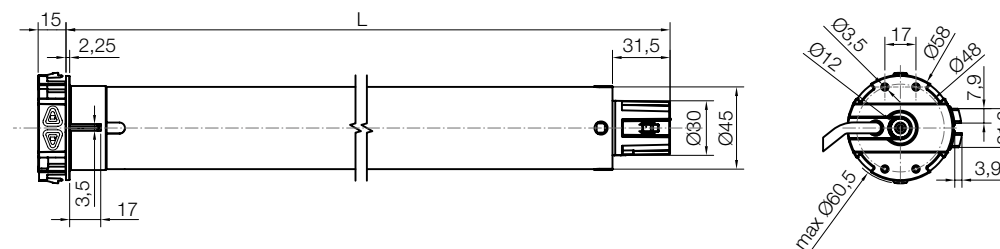
CODE	E PLUS M 817	E PLUS M 1517	E PLUS M 3017	E PLUS M 4012	E PLUS M 5012
ELECTRICAL SPECIFICATIONS					
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.55	0.75	1.10	1.10	1.10
POWER (W)	120	170	250	245	250
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5	<0.5	<0.5	<0.5
PERFORMANCE					
TORQUE (Nm)	8	15	30	40	50
SPEED (rpm)	17	17	17	12	12
NUMBER OF TURNS BEFORE THE STOP	92	92	92	92	92
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4
DIMENSIONAL DATA					
LENGTH (L) (mm)	426	451	486	486	486
WEIGHT OF MOTOR (kg)	2.15	2.45	2.65	2.65	2.65
PACK DIMENSIONS (mm)	90x90x465	90x90x500	90x90x530	90x90x530	90x90x530

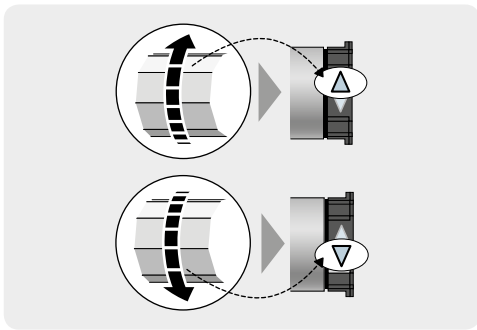
Protection class IP44.

Cable length 2.5 m, 6 wires in cable



DIMENSIONS





INTUITIVE PUSHBUTTON ADJUSTMENT

IDEAL CONTROL SYSTEMS



PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



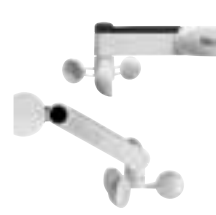
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES

ERA STAR MA

Tubular motor with electronic limit switch.
Ideal for rolling shutters.
M size Ø 45 mm.

Complete and intuitive programming.

Simple limit stop adjustment in manual, semi-automatic and automatic mode.

Useful feedback from roller shutter movement.

Flawless movement even with friction:

protects the shutter from damage during freezing conditions, thanks to control of raising force and recognises obstacles during lowering. This recognition is adjustable.

Guarantees adequate protection against break-in when the rolling shutter is equipped with anti-intrusion springs.

Safety for the automation.

High precision shutter positions:

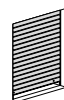
dynamic auto-update of limit stop positions (automatic and semi-automatic modes only) to compensate for expansion or shrinkage of the structure over time. The **encoder technology** in fact guarantees millimetric precision, maintenance of set values over time (including in high temperatures) and constant optimum force on the shutter.

Particularly suitable for compact installations:

useful length 426 mm, for motors with torque of 5 Nm and 8 Nm at 17 rpm.

The built-in circuit board allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

Low consumption in stand-by.



Rolling shutters

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E STAR MA 517	5 Nm, 17 rpm, 9 kg*	1	
E STAR MA 817	8 Nm, 17 rpm, 15 kg*	1	
E STAR MA 1517	15 Nm, 17 rpm, 28 kg*	1	
E STAR MA 3017	30 Nm, 17 rpm, 56 kg*	1	
E STAR MA 4012	40 Nm, 12 rpm, 75 kg*	1	
E STAR MA 5012	50 Nm, 12 rpm, 95 kg*	1	

*Lifted weight, value calculated with 60 mm diameter octagonal roller

Products also available in multiple packs. For more information, contact your local dealer.

TECHNICAL SPECIFICATION

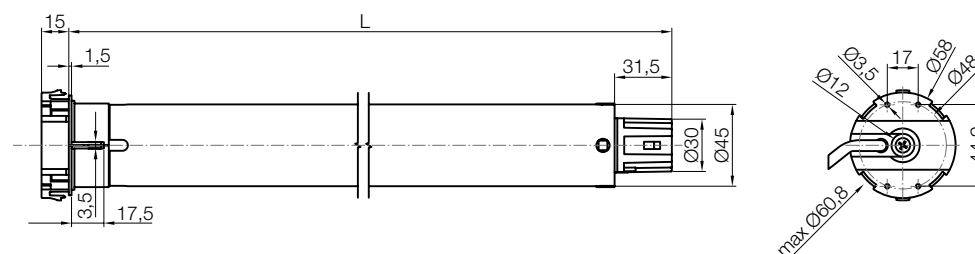
CODE	E STAR MA 517	E STAR MA 817	E STAR MA 1517	E STAR MA 3017	E STAR MA 4012	E STAR MA 5012
ELECTRICAL SPECIFICATIONS						
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.33	0.55	0.75	1.10	1.10	1.10
POWER (W)	75	120	170	250	245	250
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PERFORMANCE						
TORQUE (Nm)	5	8	15	30	40	50
SPEED (rpm)	17	17	17	17	12	12
LIFTED WEIGHT* (kg)	9	15	28	56	75	95
NUMBER OF TURNS BEFORE THE STOP	92	92	92	92	92	92
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4	4
DIMENSIONAL DATA						
LENGTH (L) (mm)	426	426	451	486	486	486
WEIGHT OF MOTOR (kg)	2.15	2.15	2.45	2.65	2.65	2.65
PACK DIMENSIONS (mm)	90x90x465	90x90x465	90x90x500	90x90x530	90x90x530	90x90x530

* Value calculated with 60 mm diameter octagonal roller. **Protection class IP44.**

Cable length 2.5 m, 4 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



CONTROL UNITS FOR SURFACE, CONCEALED OR PASSTHROUGH INSTALLATION.
MINDY, TT1 AND TT2



ELECTRONIC LIMIT SWITCH PROGRAMMING UNIT.
TTU

ERA STAR MP

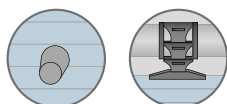
Tubular motor with electronic limit switch.
Ideal for rolling shutters with safety stops and anti-intrusion springs.
M size Ø 45 mm.

Maximum ease of installation and maintenance.

No programming required, thanks to the **PLUG-AND-PLAY installation** with automatic continuous memorising of limit stop positions (dynamic auto-update).



SAFETY STOPS AND ANTI-INTRUSION SPRINGS



Safety for the automation.

High precision shutter positions: dynamic auto-update of limit stop positions to compensate for expansion or shrinkage of the structure over time. The **encoder technology** in fact guarantees millimetric precision, maintenance of set values over time (including in high temperatures) and constant optimum force on the shutter.

Particularly suitable for compact installations: useful length 426 mm, for motors with torque of 5 Nm and 8 Nm at 17 rpm.

The built-in circuit board allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

Low consumption in stand-by.



Rolling shutters

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E STAR MP 517	5 Nm, 17 rpm, 9 kg*	1	
E STAR MP 817	8 Nm, 17 rpm, 15 kg*	1	
E STAR MP 1517	15 Nm, 17 rpm, 28 kg*	1	
E STAR MP 3017	30 Nm, 17 rpm, 56 kg*	1	

*Lifted weight, value calculated with 60 mm diameter octagonal roller.
 Products also available in multiple packs. For more information, contact your local dealer.

TECHNICAL SPECIFICATION

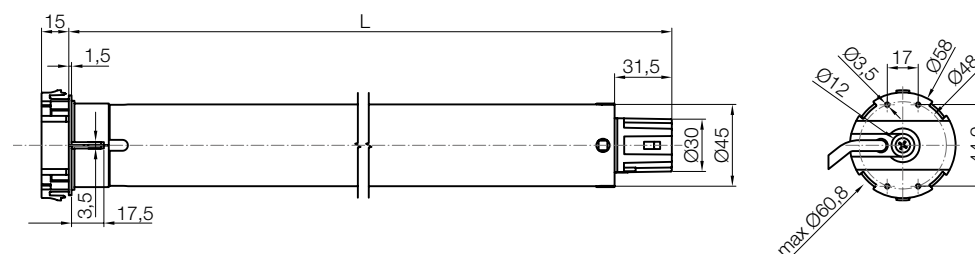
CODE	E STAR MP 517	E STAR MP 817	E STAR MP 1517	E STAR MP 3017
ELECTRICAL SPECIFICATIONS				
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.33	0.55	0.75	1.10
POWER (W)	75	120	170	250
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5	<0.5	<0.5
PERFORMANCE				
TORQUE (Nm)	5	8	15	30
SPEED (rpm)	17	17	17	17
LIFTED WEIGHT* (kg)	9	15	28	56
NUMBER OF TURNS BEFORE THE STOP	92	92	92	92
CONTINUOUS OPERATING TIME (min)	4	4	4	4
DIMENSIONAL DATA				
LENGTH (L) (mm)	426	426	451	486
WEIGHT OF MOTOR (kg)	2.15	2.15	2.45	2.65
PACK DIMENSIONS (mm)	90x90x465	90x90x465	90x90x500	90x90x530

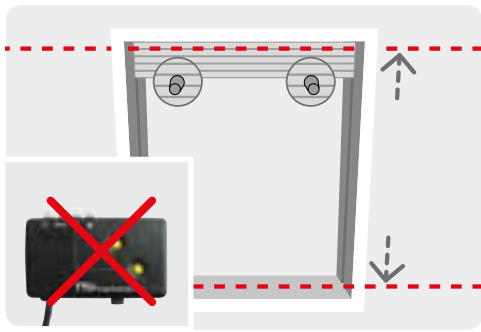
* Value calculated with 60 mm diameter octagonal roller. **Protection class IP44.**

Cable length 2.5 m, 4 wires in cable



DIMENSIONS





PLUG-AND-PLAY FUNCTION: NO LIMIT STOP PROGRAMMING REQUIRED

IDEAL CONTROL SYSTEMS



PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



CONTROL UNITS FOR SURFACE, CONCEALED OR PASSTHROUGH INSTALLATION.
MINDY, TT1 AND TT2



ELECTRONIC LIMIT SWITCH PROGRAMMING UNIT.
TTU

ERA STAR MT

Tubular motor with electronic limit switch.
Ideal for awnings and blinds.
M size Ø 45 mm.

Complete and intuitive programming.

Simple limit stop adjustment in manual, semi-automatic and automatic mode.

Useful feedback through movement of the awning.

Exclusive functions

RDC torque reduction system to stop movement smoothly without straining the fabric when the closed position is reached.

FRT withdraws the fabric by a programmable amount when the fully open position has been reached, thereby eliminating unsightly sagging.

FTC specific for the automation of awnings with blocking mechanism with automatic hooking.

FTA specific for the automation of awnings with blocking mechanism with manual hooking. Guarantees correct fabric tensioning in one or more points where the manual blocking mechanism is positioned.

Safety for the automation.

High precision shutter positions dynamic auto-update of limit stop positions (automatic and semi-automatic modes only) to compensate for expansion or shrinkage of the fabric over time.

Particularly suitable for compact installations:

useful length 426 mm, in 4 Nm at 26 rpm and 8 Nm at 17 rpm versions.

Wired and/or radio connection to climatic sensors via external control units.

The built-in circuit board allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

Low consumption in stand-by.



Roller blinds



Awnings

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E STAR MT 426	4 Nm, 26 rpm	1	NF CE
E STAR MT 1026	10 Nm, 26 rpm	1	NF CE
E STAR MT 817	8 Nm, 17 rpm	1	NF CE
E STAR MT 1517	15 Nm, 17 rpm	1	NF CE
E STAR MT 3017	30 Nm, 17 rpm	1	NF CE
E STAR MT 4012	40 Nm, 12 rpm	1	NF CE
E STAR MT 5012	50 Nm, 12 rpm	1	NF CE

TECHNICAL SPECIFICATION

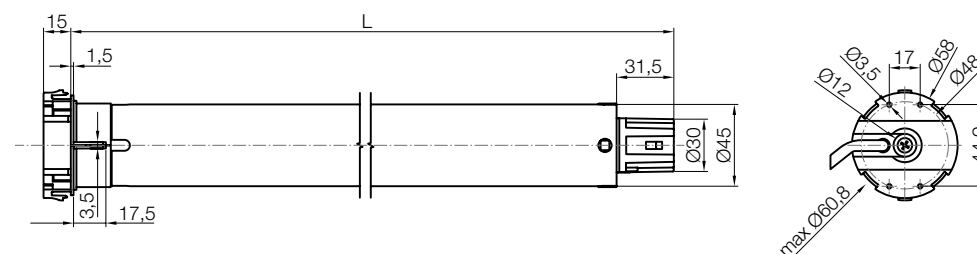
CODE	E STAR MT 426	E STAR MT 1026	E STAR MT 817	E STAR MT 1517	E STAR MT 3017	E STAR MT 4012	E STAR MT 5012
ELECTRICAL SPECIFICATIONS							
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.50	0.78	0.55	0.75	1.10	1.10	1.10
POWER (W)	108	150	120	170	250	245	250
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PERFORMANCE							
TORQUE (Nm)	4	10	8	15	30	40	50
SPEED (rpm)	26	26	17	17	17	12	12
NUMBER OF TURNS BEFORE THE STOP	92	92	92	92	92	92	92
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4	4	4
DIMENSIONAL DATA							
LENGTH (L) (mm)	426	451	426	451	486	486	486
WEIGHT OF MOTOR (kg)	1.85	1.95	2.15	2.45	2.65	2.65	2.65
PACK DIMENSIONS (mm)	90x90x465	90x90x500	90x90x465	90x90x500	90x90x530	90x90x530	90x90x530

Protection class IP44.

Cable length 2.5 m, 4 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



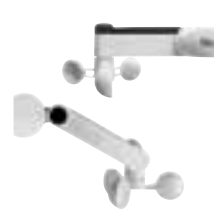
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



CONTROL UNITS FOR SURFACE, CONCEALED OR PASSTHROUGH INSTALLATION.
MINDY, TT1 AND TT2



ELECTRONIC LIMIT SWITCH PROGRAMMING UNIT.
TTU

ERA FIT M

RADIO

Tubular motor with electronic limit switch and built-in receiver.
Ideal for awnings, blinds and rolling shutters.
M size Ø 45 mm.

Complete and intuitive programming.

Convenient remote adjustment of limit stop positions by transmitter in manual or semi-automatic mode (manual programming only is recommended for rolling shutters).

During programming, useful feedback from roller shutter movement.

Level programming: quick and safe.

Thanks to this function, there are a number of possible settings. If an incorrect selection is made, programming begins again from the previous level without the need to reprogramme all the settings programmed up to that point.

Memory locking to prevent accidental memorising.

Exclusive functions for awnings:

RDC torque reduction system to stop movement smoothly without straining the fabric when the closed position is reached.

FRT withdraws the fabric by a programmable amount when the fully open position has been reached, thereby eliminating unsightly sagging.

Connection to climatic sensors

via radio with user-friendly programming.

The built-in circuit board allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

Low consumption in stand-by.



CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E FIT M 817	8 Nm, 17 rpm, 15 kg*	1	NF CE
E FIT M 1517	15 Nm, 17 rpm, 28 kg*	1	NF CE
E FIT M 3017	30 Nm, 17 rpm, 56 kg*	1	NF CE
E FIT M 4012	40 Nm, 12 rpm, 75 kg*	1	NF CE
E FIT M 5012	50 Nm, 12 rpm, 95 kg*	1	NF CE

*Lifted weight, value calculated with 60 mm diameter octagonal roller.
 Products also available in multiple packs. For more information, contact your local dealer.

TECHNICAL SPECIFICATION

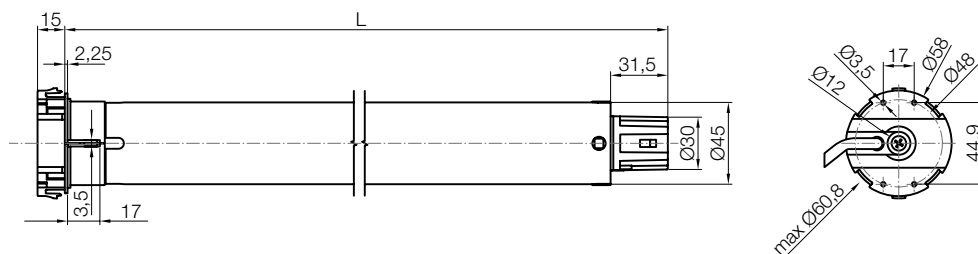
CODE	E FIT M 817	E FIT M 1517	E FIT M 3017	E FIT M 4012	E FIT M 5012
ELECTRICAL SPECIFICATIONS					
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.55	0.75	1.10	1.10	1.10
POWER (W)	120	170	250	245	250
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5	<0.5	<0.5	<0.5
PERFORMANCE					
TORQUE (Nm)	8	15	30	40	50
SPEED (rpm)	17	17	17	12	12
LIFTED WEIGHT* (kg)	15	28	56	75	95
NUMBER OF TURNS BEFORE THE STOP	92	92	92	92	92
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4
DIMENSIONAL DATA					
LENGTH (L) (mm)	426	451	486	486	486
WEIGHT OF MOTOR (kg)	2.15	2.45	2.65	2.65	2.65
PACK DIMENSIONS (mm)	90x90x465	90x90x500	90x90x530	90x90x530	90x90x530

*Value calculated with 60 mm diameter octagonal roller. Protection class IP44.

Cable length 2.5 m, 3 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



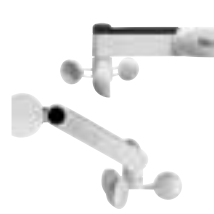
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



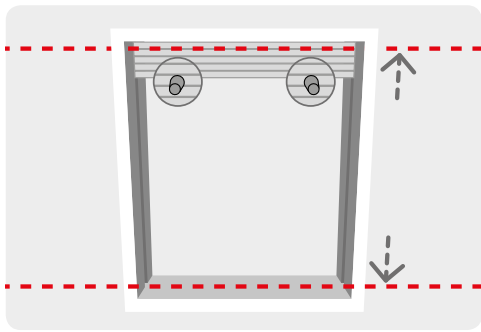
MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



PLUG-AND-PLAY FUNCTION: NO LIMIT STOP PROGRAMMING REQUIRED

IDEAL CONTROL SYSTEMS



PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



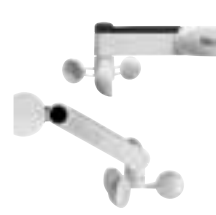
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES

ERA MAT MA

RADIO TTBUS

Tubular motor with electronic limit switch, built-in receiver and Nice TTBus technology. Ideal for rolling shutters. M size Ø 45 mm.

Complete and intuitive programming.

Convenient remote adjustment of limit stop positions by transmitter or with the O-View TT and TTP external programming units in automatic, semi-automatic or manual mode.

Useful feedback from rolling shutter movement.

Level programming: quick and safe.

Thanks to this function, there are a number of possible settings. If an incorrect selection is made, programming begins again from the previous level without the need to reprogramme all the settings programmed up to that point.

Memory locking to prevent accidental memorising.

Adjustment of a number of intermediate opening positions.

Thanks to Nice TTBus 3-wire technology: motor movement can be controlled by a low-voltage control;
The built-in circuit board allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

Safety for the automation.

High precision shutter positions dynamic auto-update of limit stop positions (automatic and semi-automatic modes only) to compensate for expansion or shrinkage of the structure over time. The **encoder technology** in fact guarantees millimetric precision, maintenance of set values over time (including in high temperatures) and constant optimum force on the shutter.

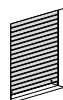
Flawless movement even with friction:

thanks to control of raising force, protects the shutter from damage during freezing conditions and recognises obstacles during lowering. This recognition is adjustable. Guarantees adequate protection against break-in.

Particularly suitable for compact installations:

useful length 426 mm, in versions up to 5 Nm and 8 Nm at 17 rpm.

Low consumption in stand-by.



Rolling shutters

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E MAT MA 517	5 Nm, 17 rpm, 9 kg*	1	NF CE
E MAT MA 817	8 Nm, 17 rpm, 15 kg*	1	NF CE
E MAT MA 1517	15 Nm, 17 rpm, 28 kg*	1	NF CE
E MAT MA 3017	30 Nm, 17 rpm, 56 kg*	1	NF CE
E MAT MA 4012	40 Nm, 12 rpm, 75 kg*	1	NF CE
E MAT MA 5012	50 Nm, 12 rpm, 95 kg*	1	NF CE

*Lifted weight, value calculated with 60 mm diameter octagonal roller.

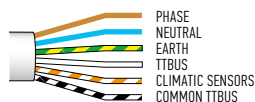
Products also available in multiple packs. For more information, contact your local dealer.

TECHNICAL SPECIFICATION

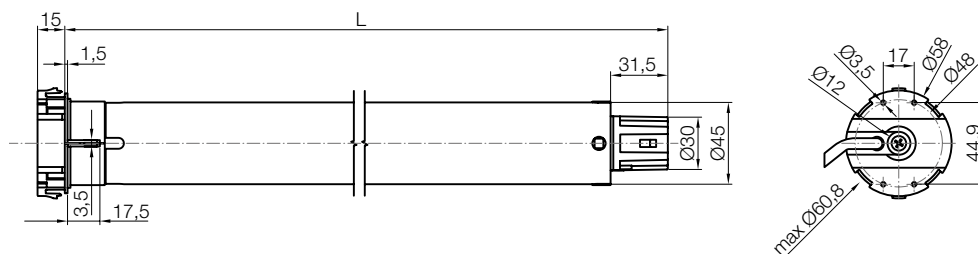
CODE	E MAT MA 517	E MAT MA 817	E MAT MA 1517	E MAT MA 3017	E MAT MA 4012	E MAT MA 5012
ELECTRICAL SPECIFICATIONS						
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.33	0.55	0.75	1.10	1.10	1.10
POWER (W)	75	120	170	250	245	250
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PERFORMANCE						
TORQUE (Nm)	5	8	15	30	40	50
SPEED (rpm)	17	17	17	17	12	12
LIFTED WEIGHT* (kg)	9	15	28	56	75	95
NUMBER OF TURNS BEFORE THE STOP	92	92	92	92	92	92
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4	4
DIMENSIONAL DATA						
LENGTH (L) (mm)	426	426	451	486	486	486
WEIGHT OF MOTOR (kg)	2.15	2.15	2.45	2.65	2.65	2.65
PACK DIMENSIONS (mm)	90x90x465	90x90x465	90x90x500	90x90x530	90x90x530	90x90x530

* Value calculated with 60 mm diameter octagonal roller. Protection class IP44.

Cable length 2.5 m, 6 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



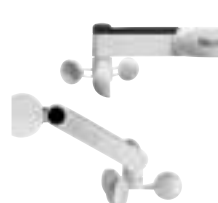
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



EXTERNAL CONTROL UNIT TO CONTROL UP TO 8 MOTORS WITH NICE TTBUS TECHNOLOGY. RECEIVER WITH 433.92 MHz, ROLLING CODE.
TT6



PROGRAMMING UNIT AND INTERFACE WITH PROGRAMMING SOFTWARE.
O-VIEW TT, TTP

ERA MAT MT

RADIO TTBUS

Electronic limit switch, built-in receiver and Nice TTBus technology. Ideal for awnings and blinds. M size Ø 45 mm.

Complete and intuitive programming.

Convenient remote adjustment of limit stop positions by transmitter or with the O-View TT and TTP external programming units in automatic, semi-automatic or manual mode.

Useful feedback through movement of the awning.

Level programming: quick and safe.

Thanks to this function, there are a number of possible settings. If an incorrect selection is made, programming begins again from the previous level without the need to reprogramme all the settings programmed up to that point.

Memory locking to prevent accidental memorising.

Adjustment of a number of intermediate opening positions.

Thanks to Nice TTBus 3-wire technology:

motor movement can be managed by means of a low-voltage control; simple and intuitive connection to climatic sensors by wire without external control units and/or via radio.

The built-in circuit board allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

The encoder technology in fact guarantees millimetric precision, maintenance of set values over time (including in high temperatures) and constant optimum force on the shutter.

Exclusive functions:

FRT withdraws the fabric by a programmable amount when the fully open position has been reached, thereby eliminating unsightly sagging.

RDC torque reduction system to stop movement smoothly without straining the fabric when the closed position is reached.

FTC specific for the automation of awnings with blocking mechanism with automatic hooking.

FTA specific for the automation of awnings with blocking mechanism with manual hooking. Guarantees correct fabric tensioning in one or more points where the manual blocking mechanism is positioned.

Low consumption in stand-by.



Roller blinds



Awnings

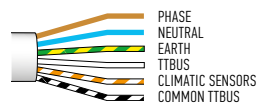
CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E MAT MT 426	4 Nm, 26 rpm	1	NF CE
E MAT MT 1026	10 Nm, 26 rpm	1	NF CE
E MAT MT 817	8 Nm, 17 rpm	1	NF CE
E MAT MT 1517	15 Nm, 17 rpm	1	NF CE
E MAT MT 3017	30 Nm, 17 rpm	1	NF CE
E MAT MT 4012	40 Nm, 12 rpm	1	NF CE
E MAT MT 5012	50 Nm, 12 rpm	1	NF CE

TECHNICAL SPECIFICATION

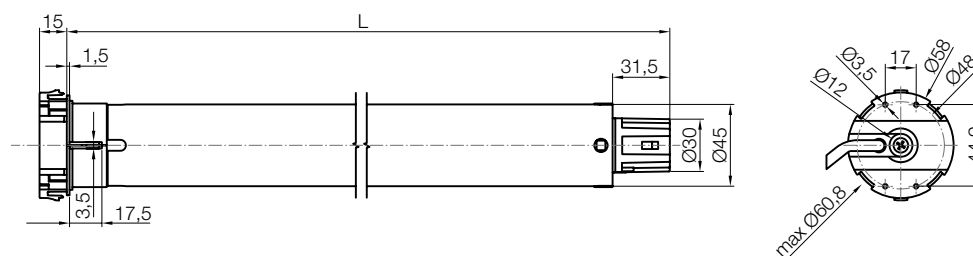
CODE	E MAT MT 426	E MAT MT 1026	E MAT MT 817	E MAT MT 1517	E MAT MT 3017	E MAT MT 4012	E MAT MT 5012
ELECTRICAL SPECIFICATIONS							
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.50	0.78	0.55	0.75	1.10	1.10	1.10
POWER (W)	108	150	120	170	250	245	250
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PERFORMANCE							
TORQUE (Nm)	4	10	8	15	30	40	50
SPEED (rpm)	26	26	17	17	17	12	12
NUMBER OF TURNS BEFORE THE STOP	92	92	92	92	92	92	92
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4	4	4
DIMENSIONAL DATA							
LENGTH (L) (mm)	426	451	426	451	486	486	486
WEIGHT OF MOTOR (kg)	1.85	1.95	2.15	2.45	2.65	2.65	2.65
PACK DIMENSIONS (mm)	90x90x465	90x90x500	90x90x465	90x90x500	90x90x530	90x90x530	90x90x530

Protection class IP44.

Cable length 2.5 m, 6 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



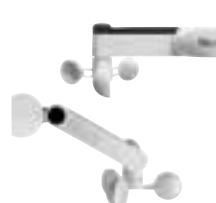
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



EXTERNAL CONTROL UNIT TO CONTROL UP TO 8 MOTORS WITH NICE TTBUS TECHNOLOGY. RECEIVER WITH 433.92 MHz, ROLLING CODE.
TT6



PROGRAMMING UNIT AND INTERFACE WITH PROGRAMMING SOFTWARE.
O-VIEW TT, TTP

ERA MAT MO

RADIO TTBUS

Motor with electronic limit switch, built-in radio receiver and Nice TTBus connection. Exclusive for rolling shutters with positionable slats, with both simultaneous and progressive orientation. M size Ø 45 mm.

Flexible and positionable:

Enables the slats to be oriented in the required position to regulate the light and air entering the room simply, rapidly and safely.

Complete and intuitive programming.

Convenient remote adjustment of limit stop positions by transmitter or with the O-View TT and TTP external programming units, with the exception of programming orientation.

Level programming: quick and safe.

Thanks to this function, there are a number of possible settings. If an incorrect selection is made, programming begins again from the previous level without the need to reprogramme all the settings programmed up to that point.

Thanks to Nice TTBus 3-wire technology:

motor movement and orientation can be controlled by a low-voltage control.

The built-in circuit board allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

The Nice Era P and Era W transmitters guarantee optimum motor shaft rotation resolution of 15° for 17 rpm motors and 10° for 12 rpm motors, for **maximum personalisation of slat orientation.**

Particularly suitable for compact installations: useful length 426 mm, in 8 Nm at 17 rpm and 10 Nm at 12 rpm versions.

Energy saving

Maximum control of slat orientation ensures the correct balance between heat insulation and control of natural light in the rooms in all seasons, guaranteeing maximum comfort.

Low consumption in stand-by.



Rolling shutters with positionable slats

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E MAT MO 817	8 Nm, 17 rpm, 15 kg*	1	CE
E MAT MO 1517	15 Nm, 17 rpm, 28 kg*	1	CE
E MAT MO 3017	30 Nm, 17 rpm, 56 kg*	1	CE
E MAT MO 1012	10 Nm, 12 rpm, 19 kg*	1	CE
E MAT MO 2012	20 Nm, 12 rpm, 38 kg*	1	CE
E MAT MO 4012	40 Nm, 12 rpm, 75 kg*	1	CE
E MAT MO 5012	50 Nm, 12 rpm, 95 kg*	1	CE

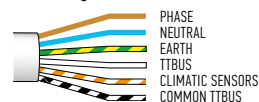
*Lifted weight, value calculated with 60 mm diameter octagonal roller.

TECHNICAL SPECIFICATION

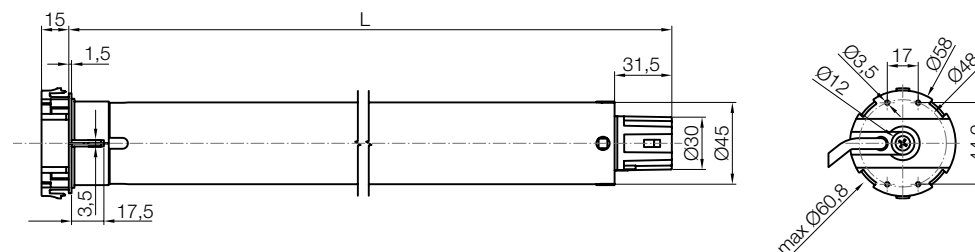
CODE	E MAT MO 817	E MAT MO 1517	E MAT MO 3017	E MAT MO 1012	E MAT MO 2012	E MAT MO 4012	E MAT MO 5012
ELECTRICAL SPECIFICATIONS							
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.55	0.75	1.10	0.60	0.85	1.10	1.10
POWER (W)	120	170	250	130	185	245	250
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PERFORMANCE							
TORQUE (Nm)	8	15	30	10	20	40	50
SPEED (rpm)	17	17	17	12	12	12	12
LIFTED WEIGHT* (kg)	15	28	56	19	38	75	95
NUMBER OF TURNS BEFORE THE STOP	92	92	92	92	92	92	92
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4	4	4
DIMENSIONAL DATA							
LENGTH (L) (mm)	426	451	486	426	451	486	486
WEIGHT OF MOTOR (kg)	2.5	2.5	2.5	2.5	2.5	2.5	2.5
PACK DIMENSIONS (mm)	90x90x465	90x90x510	90x90x530	90x90x465	90x90x510	90x90x530	90x90x530

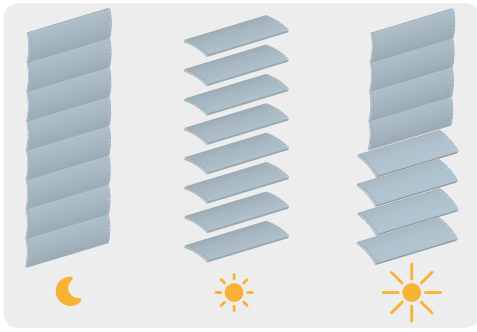
* Value calculated with 60 mm diameter octagonal roller. **Protection class IP44.**

Cable length 2.5 m, 6 wires in cable



DIMENSIONS





POSITIONABLE SLATS FOR MAXIMUM COMFORT

IDEAL CONTROL SYSTEMS



PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



PROGRAMMING UNIT AND INTERFACE WITH PROGRAMMING SOFTWARE.
O-VIEW TT, TTP

ERA MAT MVS

RADIO TTBUS

Tubular motor with electronic limit switch, built-in receiver and Nice TTBus technology. Ideal for roller blinds and projection screens. M size Ø 45 mm.

Complete and intuitive programming.

Convenient remote adjustment of limit stop positions, by transmitter or with the O-View TT and TTP external programming units, in manual mode.

Useful feedback from roller shutter movement.

Level programming: quick and intuitive.

Thanks to this function, there are a number of possible settings. If an incorrect selection is made, programming begins again from the previous level without the need to reprogramme all the settings programmed up to that point.

Thanks to Nice TTBus 3-wire technology:

motor movement can be managed by means of a low-voltage control; simple and intuitive connection to climatic sensors by wire without external control units and/or via radio.

A number of motors can be connected and controlled in parallel from a single control point without the need for additional control units, or operating a number of motors synchronously.

Different projection formats can be configured and recalled simply by the transmitter.

The encoder technology guarantees millimetric precision, maintenance of set values over time (including in high temperatures) and constant optimum force on the shutter.

Low consumption in stand-by.



Roller blinds



Projection screens

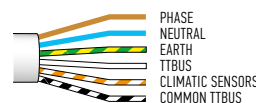
CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E MAT MVS 426	4 Nm, 26 rpm	1	NF CE
E MAT MVS 1026	10 Nm, 26 rpm	1	NF CE
E MAT MVS 817	8 Nm, 17 rpm	1	NF CE
E MAT MVS 1517	15 Nm, 17 rpm	1	NF CE

TECHNICAL SPECIFICATION

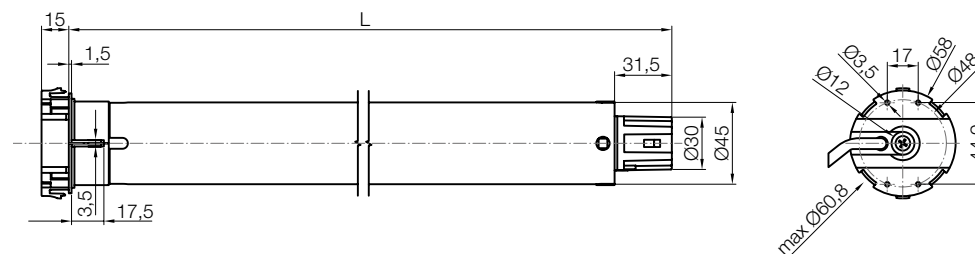
CODE	E MAT MVS 426	E MAT MVS 1026	E MAT MVS 817	E MAT MVS 1517
ELECTRICAL SPECIFICATIONS				
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.50	0.78	0.55	0.75
POWER (W)	108	150	120	170
ABSORBED POWER IN STAND-BY (W)	<0.5	<0.5	<0.5	<0.5
PERFORMANCE				
TORQUE (Nm)	4	10	8	15
SPEED (rpm)	26	26	17	17
NUMBER OF TURNS BEFORE THE STOP	92	92	92	92
CONTINUOUS OPERATING TIME (min)	4	4	4	4
DIMENSIONAL DATA				
LENGTH (L) (mm)	426	451	426	451
WEIGHT OF MOTOR (kg)	1.85	1.95	2.15	2.45
PACK DIMENSIONS (mm)	90x90x465	90x90x500	90x90x465	90x90x500

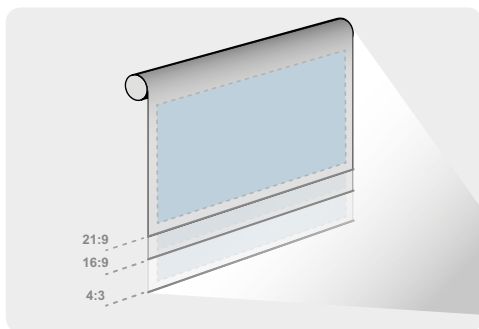
Protection class IP44.

Cable length 2.5 m, 6 wires in cable



DIMENSIONS





**IDEAL FOR PROJECTION SCREENS,
MAXIMUM POSITIONING PRECISION**

IDEAL CONTROL SYSTEMS



PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



EXTERNAL CONTROL UNIT TO CONTROL UP TO 8 MOTORS WITH NICE TTBUS TECHNOLOGY. RECEIVER WITH 433.92 MHz, ROLLING CODE.
TT6



PROGRAMMING UNIT AND INTERFACE WITH PROGRAMMING SOFTWARE.
O-VIEW TT, TTP

ERA MH ERA MH DC

230 V 12 V

Tubular motor with mechanical limit stop and manual emergency override mechanism. Ideal for awnings, blinds and rolling shutters. M size \varnothing 45 mm.

Solutions to meet all needs,

usable both for large-scale applications with the 50 Nm 12 rpm version and small structures with the 15 Nm 17 rpm version.

Ideal for intensive use

the Era MH DC version in 12 Vdc, bears 6 minutes of continuous work with equal speed both when rising and lowering.

Advanced

Thanks to the low tension supply, one can use alternative energy sources, such as batteries, solar panels...

Simple and practical.

Intuitive adjustment of up and down limit positions, thanks to the mechanical limit stop.

Easy to install.

Fixing directly on the head thanks to the M6 holes with 48 mm centre distance, no support required.

Compact and robust

Small size (head diameter 85 mm) for installation in small boxes and 100% Zama motor head.

Wired and/or radio connection to climatic sensors

via external control units.

Low consumption in stand-by.



Roller blinds



Awnings



Rolling shutters

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E MH 1517	15 Nm, 17 rpm, 28 kg*	1	CE
E MH 3017	30 Nm, 17 rpm, 56 kg*	1	CE
E MH 4012	40 Nm, 12 rpm, 75 kg*	1	CE
E MH 5012	50 Nm, 12 rpm, 95 kg*	1	CE
E MH 2012 DC	20 Nm, 12 rpm, 38 kg*	1	CE

*Lifted weight, value calculated with 60 mm diameter roller.

TECHNICAL SPECIFICATION

MODEL	E MH 1517	E MH 3017	E MH 4012	E MH 5012	E MH 2012 DC
ELECTRICAL SPECIFICATIONS					
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	-
POWER SUPPLY (Vdc)	-	-	-	-	12
ABSORPTION (A)	0.75	1.10	1.10	1.10	6.5
POWER (W)	170	250	245	250	78
PERFORMANCE					
TORQUE (Nm)	15	30	40	50	20
SPEED (rpm)	17	17	12	12	12
LIFTED WEIGHT* (kg)	28	56	75	95	38
NUMBER OF TURNS BEFORE THE STOP	36	36	36	36	36
REDUCTION RATIO	1:24	1:24	1:24	1:24	
CONTINUOUS OPERATING TIME (min)	4	4	4	4	6
DIMENSIONAL DATA					
LENGTH (L) (mm)	602	637	637	637	600
WEIGHT OF MOTOR (kg)	2.8	3.4	3.6	3.6	2.9
PACK DIMENSIONS (mm)	100x100x750	100x100x750	100x100x750	100x100x750	100x100x750

*Value calculated with 60 mm diameter roller. Protection class IP44.

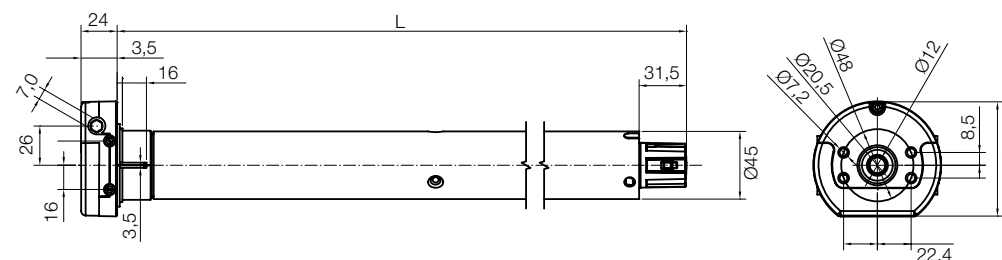
ERA MH
Cable length 2.5 m, 4 wires in cable



ERA MH DC
Cable length 2.5 m, 4 wires in cable



DIMENSIONS



IDEAL CONTROL SYSTEMS



PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



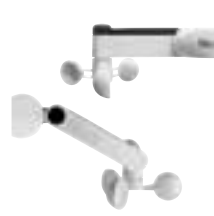
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



CONTROL UNITS FOR SURFACE, CONCEALED OR PASSTHROUGH INSTALLATION.
MINDY, TT1 AND TT2

FOR A COMPLETE INSTALLATION:
HANDCRANKS AND EYEBOLTS,
page 126

ERA PLUS MH

RADIO TTBUS

Tubular motor with mechanical limit stop, built-in radio receiver and Nice TTBUS technology, manual emergency override mechanism.

Ideal for awnings, blinds and rolling shutters.
M size Ø 45 mm.

Simple and practical.

Intuitive adjustment of up and down limit positions by transmitter or with the O-View TT and TTP external programming units in automatic, semi-automatic or manual mode.

Level programming: quick and safe.

Thanks to this function, there are a number of possible settings. If an incorrect selection is made, programming begins again from the previous level without the need to reprogramme all the settings programmed up to that point.

Memory locking to prevent accidental memorising.

Easy to install:

fixing directly on the head thanks to the M6 holes with 48 mm centre distance, no support required.

Compact and robust.

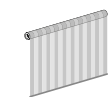
Small size (head diameter 85 mm) for installation in small boxes and 100% Zama motor head.

Thanks to Nice TTBus 2-wire technology:

motor movement can be managed by means of a low-voltage Step-by-Step control; simple and intuitive connection to climatic sensors via radio.

Safety for the automation.

Possibility of connecting a resistive sensitive edge and photocells.



Roller blinds



Awnings



Rolling shutters

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E PLUS MH 1517	15 Nm, 17 rpm, 28 kg*	1	CE
E PLUS MH 3017	30 Nm, 17 rpm, 56 kg*	1	CE
E PLUS MH 4012	40 Nm, 12 rpm, 75 kg*	1	CE
E PLUS MH 5012	50 Nm, 12 rpm, 95 kg*	1	CE

*Lifted weight, value calculated with 60 mm diameter octagonal roller.

TECHNICAL SPECIFICATION

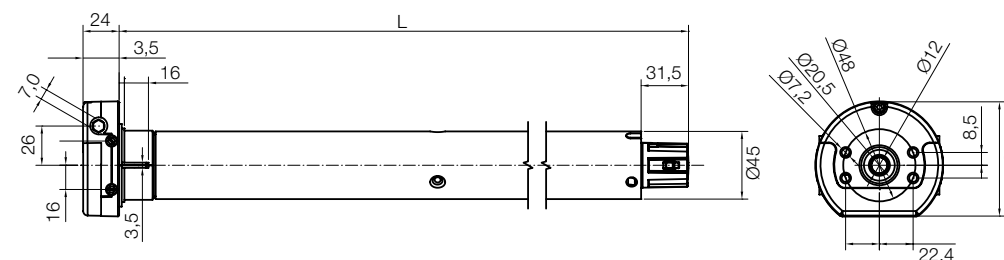
CODE	E PLUS MH 1517	E PLUS MH 3017	E PLUS MH 4012	E PLUS MH 5012
ELECTRICAL SPECIFICATIONS				
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.75	1.10	1.10	1.10
POWER (W)	170	250	245	250
PERFORMANCE				
TORQUE (Nm)	15	30	40	50
SPEED (rpm)	17	17	12	12
NUMBER OF TURNS BEFORE THE STOP	36	36	36	36
LIFTED WEIGHT* (kg)	28	56	75	95
CONTINUOUS OPERATING TIME (min)	4	4	4	4
DIMENSIONAL DATA				
LENGTH (L) (mm)	806	806	806	806
WEIGHT OF MOTOR (kg)	3.4	3.8	4	4
PACK DIMENSIONS (mm)	100x100x850	100x100x850	100x100x850	100x100x850

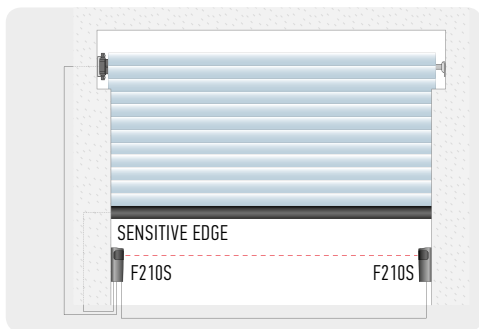
* Value calculated with 60 mm diameter octagonal roller. **Protection class IP44.**

Cable length 2.5 m, 5 wires in cable



DIMENSIONS





SAFETY FIRST FOR LARGE ROLLING SHUTTERS OR ROLLING DOORS INSTALLATIONS.

IDEAL CONTROL SYSTEMS



PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



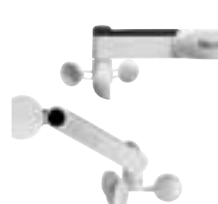
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



DIRECTIONAL SYNCHRONISED PHOTOCELLS. SEE PAGE 163.
F210S

FOR A COMPLETE INSTALLATION:
HANDCRANKS AND EYEBOLTS,
page 126

ERA FIT MHT

RADIO

Tubular motor with electronic limit switch and built-in radio receiver, manual emergency override mechanism. Ideal for awnings with arms, with and without box. M size Ø 45 mm.

Complete and intuitive programming.

Convenient remote adjustment of limit stop positions by transmitter in manual and semi-automatic mode; during manual programming and when using the emergency override mechanism, the awning closes in the strike position.

Useful feedback from roller shutter movement.

Level programming: quick and safe.

Thanks to this function, there are a number of possible settings. If an incorrect selection is made, programming begins again from the previous level without the need to reprogramme all the settings programmed up to that point.

Memory locking to prevent accidental memorising.

Adjustment of a number of intermediate opening positions.

Easy to install.

Fixing directly on the head thanks to the M6 holes with 48 mm centre distance, no support required.

Compact and robust.

Small size (head diameter 85 mm) for installation in small boxes and 100% Zama motor head.

Exclusive functions for awnings:

RDC torque reduction system to stop movement smoothly without straining the fabric when the closed position is reached.

FRT withdraws the fabric by a programmable amount when the fully open position has been reached, thereby eliminating unsightly sagging.

Connection to climatic sensors via radio with user-friendly programming.

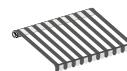
Safety for the automation:

Maximum precision in the shutter positions:

dynamic auto-update of limit stop positions to compensate for expansion or shrinkage of the structure over time.

The **encoder technology** guarantees millimetric precision, reliability and maintenance of set values over time.

Low consumption in stand-by.



Awnings

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E FIT MHT 1517	15 Nm, 17 rpm	1	CE
E FIT MHT 3017	30 Nm, 17 rpm	1	CE
E FIT MHT 4012	40 Nm, 12 rpm	1	CE
E FIT MHT 5012	50 Nm, 12 rpm	1	CE

Products also available in multiple packs. For more information, contact your local dealer.

TECHNICAL SPECIFICATION

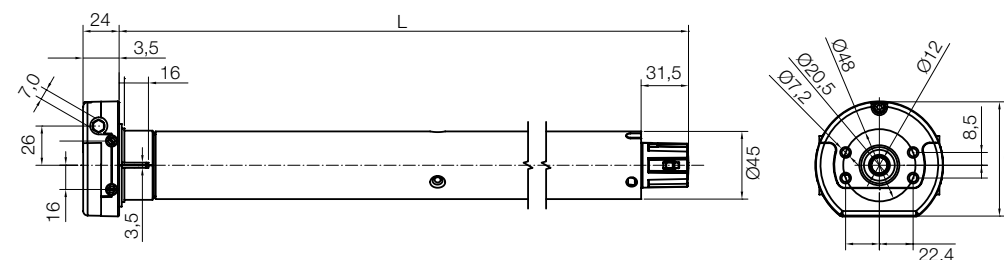
CODE	E FIT MHT 1517	E FIT MHT 3017	E FIT MHT 4012	E FIT MHT 5012
ELECTRICAL SPECIFICATIONS				
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50
ABSORPTION (A)	0.75	1.10	1.10	1.10
POWER (W)	170	250	245	250
PERFORMANCE				
TORQUE (Nm)	15	30	40	50
SPEED (rpm)	17	17	12	12
NUMBER OF TURNS BEFORE THE STOP	92	92	92	92
CONTINUOUS OPERATING TIME (min)	4	4	4	4
DIMENSIONAL DATA				
LENGTH (L) (mm)	706	706	706	706
WEIGHT OF MOTOR (kg)	3.35	3.4	3.5	3.5
PACK DIMENSIONS (mm)	100x100x750	100x100x750	100x100x750	100x100x750

Protection class IP44.

Cable length 2.5 m, 3 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



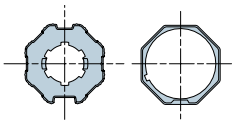
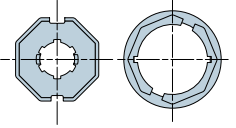
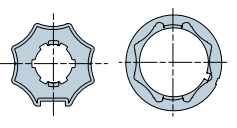
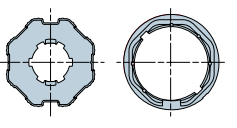
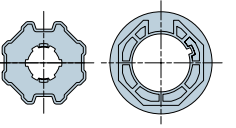
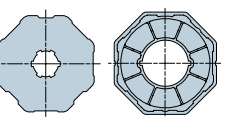
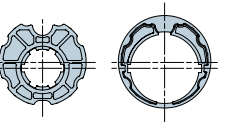
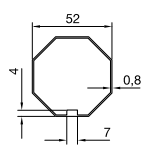
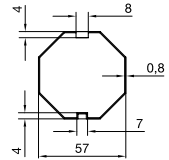
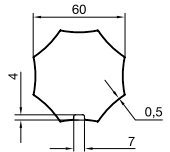
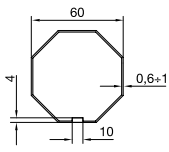
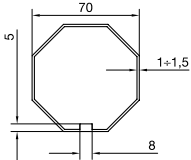
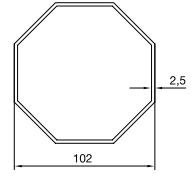
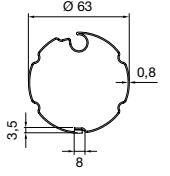
POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES



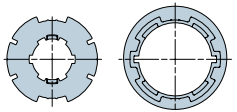
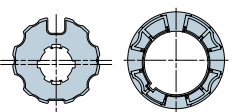
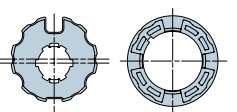
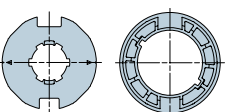
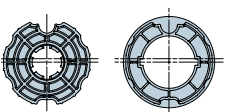
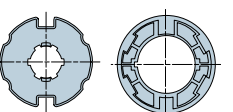
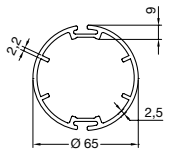
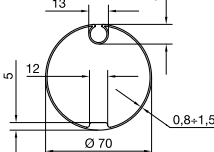
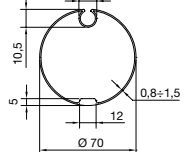
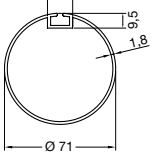
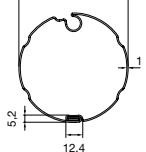
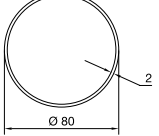
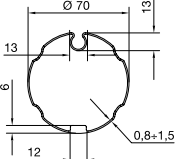
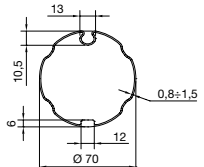
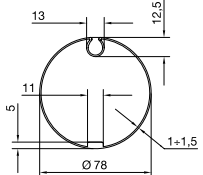
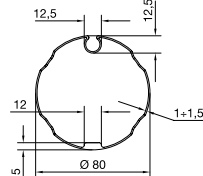
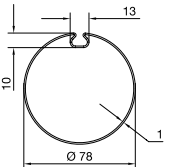
LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES

FOR A COMPLETE INSTALLATION:
HANDCRANKS AND EYEBOLTS,
page 126

ADAPTERS - ERA M SERIES Ø 45 mm

COMPATIBLE ADAPTERS							
	<p>515.05200</p> <p>Octagonal 52x0.8 wheel + crown</p>	<p>515.05700</p> <p>Octagonal 57x0.8 wheel + crown</p>	<p>515.06010</p> <p>Octagonal star 60x0.5 wheel + crown</p>	<p>515.06000</p> <p>Octagonal 60x(0.6-1) wheel + crown</p>	<p>515.07000</p> <p>Octagonal 70x(1-1.5) wheel + crown</p>	<p>515.01020</p> <p>Octagonal 102x2.5 wheel + crown</p>	<p>515.16300</p> <p>Inclined notch 63x0.8 wheel + crown</p>
TYPE OF ROLLER PRESENT IN THE SYSTEM							
	<p>OCTAGONAL 52</p>	<p>OCTAGONAL 57</p>	<p>STAR 60</p>	<p>OCTAGONAL 60</p>	<p>OCTAGONAL 70</p>	<p>OCTAGONAL 102</p>	<p>INCLINED NOTCH 63 / ROLLER BAT</p>

ADAPTERS - ERA M SERIES Ø 45 mm

COMPATIBLE ADAPTERS	 <p>515.16500 Notch 65x2,5 Benthin wheel + crown</p>	 <p>515.17000 Notch 70 wheel + crown</p>	 <p>515.17100 Notch 70 wheel + concentric crown</p>	 <p>515.17102 Enlarged notch 71x1,8 wheel + crown</p>	 <p>515.17300 Inclined notch 80x1 wheel + crown</p>	 <p>515.17800 Notch 78x(1-1.5) wheel + crown</p>
	 <p>NOTCH 65 BENTHIN</p>	 <p>NOTCH 70</p>	 <p>ROUND WITH NOTCH 70</p>	 <p>NOTCH 71</p>	 <p>INCLINED NOTCH 80 / ROLLER BAT</p>	 <p>ROUND 80</p>
	 <p>CORRUGATED NOTCH 70</p>	 <p>ROUND CORRUGATED NOTCH 70</p>			 <p>NOTCH 78</p>	
					 <p>CORRUGATED NOTCH 80</p>	
					 <p>FLAT NOTCH 78</p>	

TYPE OF ROLLER PRESENT IN THE SYSTEM

SELECTION GUIDE
S SIZE MOTORS Ø 35
M SIZE MOTORS Ø 45
L SIZE MOTORS Ø 56
XL SIZE MOTORS Ø 90
CONTROL SYSTEMS
INSTALLATION GUIDE AND ALPHABETICAL INDEX

ADAPTERS - ERA M SERIES Ø 45 mm

COMPATIBLE ADAPTERS

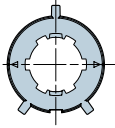
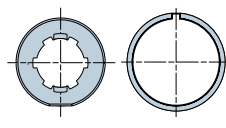
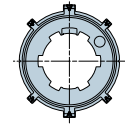
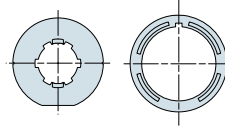
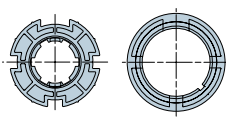
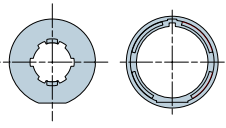
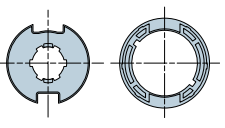
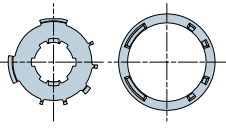
515.17801	515.17802	515.18300	515.25000	515.25001	515.25002	515.25003	515.25004
Enlarged notch 78x1 wheel + crown	Notch 80x2 wheel + crown	Notch 83x3 wheel + crown	Round 50x1.5 wheel	Round with ribbing and tongue inner size 47 wheel + ring crown	Round 50x1.5 wheel + ring crown	Round 50x1.5 wheel + compensating crown	Round with ribbing and tongue inner size 47 wheel + compensating crown

TYPE OF ROLLER PRESENT IN THE SYSTEM

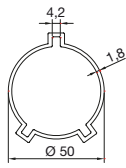
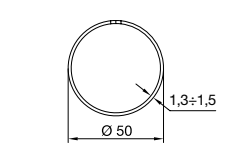
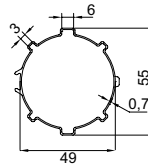
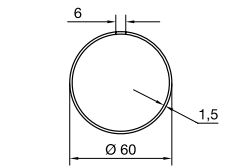
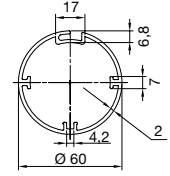
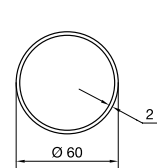
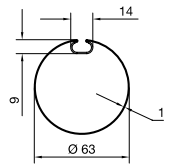
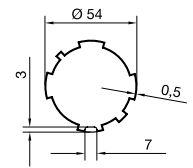
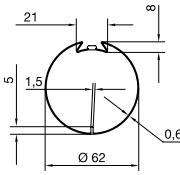
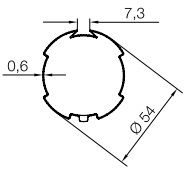
NOTCH 78	NOTCH 80	NOTCH 83 / ROLLEASE	ROUND 50	ROUND INNER SIZE 47	ROUND 50	ROUND 50	ROUND INNER SIZE 47

ADAPTERS - ERA M SERIES Ø 45 mm

COMPATIBLE ADAPTERS

							
515.25005 Round 50x2 wheel	515.25006 Round 50x(1.3-1.5) wheel + crown	515.25200 Soprofen 52 wheel	515.26000 Round 60x1.5 wheel + crown	515.26002 Notch 60 Acmeda wheel + crown	515.26020 Round 60x2 wheel + crown	515.26200 Round 63x1 (Welsler) - 62x0.6 (Deprat) wheel + crown	515.26254 ZF54, DP53 wheel + crown

TYPE OF ROLLER PRESENT IN THE SYSTEM

							
ROUND 50x1.8	ROUND 50x1.3/1.5	SOPROFEN	ROUND 60	NOTCH 60 / ACMEDA	ROUND 60	WELSER NOTCH 63	ZF54
							
DEPRAT 62	DP53						

SELECTION GUIDE

S SIZE MOTORS Ø 35

M SIZE MOTORS Ø 45

L SIZE MOTORS Ø 58

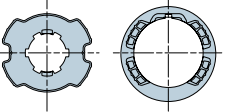
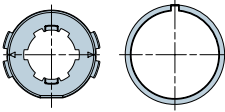
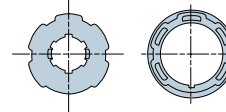
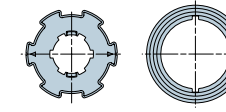
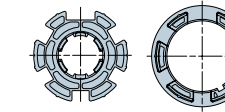
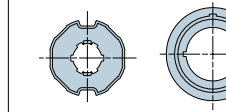
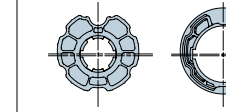
XL SIZE MOTORS Ø 90

CONTROL SYSTEMS

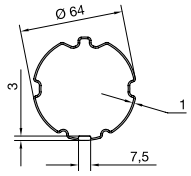
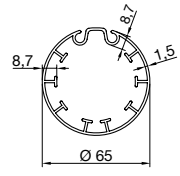
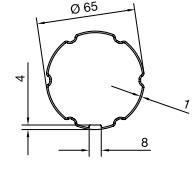
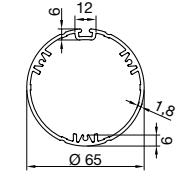
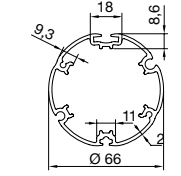
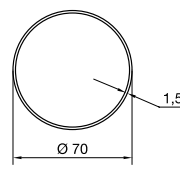
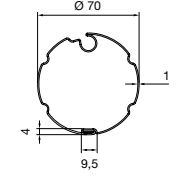
INSTALLATION GUIDE
AND ALPHABETICAL INDEX

ADAPTERS - ERA M SERIES Ø 45 mm

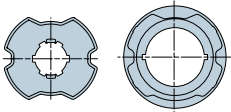
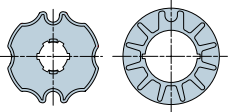
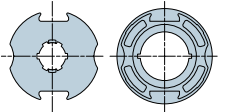
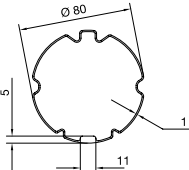
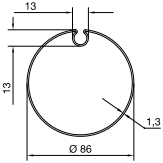
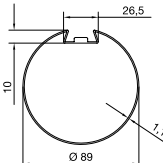
COMPATIBLE ADAPTERS

						
515.26264	515.26400	515.26500	515.26501	515.26600	515.27000	515.27300
ZF64 wheel + crown	Round 64 with ribbing and 47 inner size wheel + crown	Eckermann 65 wheel + crown	Notch 65x1.8 wheel + crown	Notch 66x2 HD wheel + crown	Round 70x1.5 wheel + crown	Inclined notch 70x0.9 wheel + crown

TYPE OF ROLLER PRESENT IN THE SYSTEM

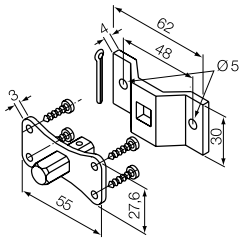
						
ZF64	ROUND 64	ECKERMANN 65	NOTCH 65 / ROLLEASE	NOTCH 66	ROUND 70	INCLINED NOTCH 70 / ROLLER BAT

ADAPTERS - ERA M SERIES Ø 45 mm

COMPATIBLE ADAPTERS			
	515.28000 ZF80 wheel + crown	515.28500 Notch 85 wheel + crown	515.28900 Round 89x1.1 (Deprat) wheel + crown
TYPE OF ROLLER PRESENT IN THE SYSTEM			
	ZF80	NOTCH 86	DEPRAT 89

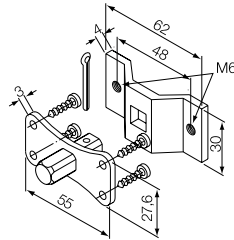
SUPPORTS - ERA M SERIES Ø 45 mm

FOR TUBULAR MOTORS WITHOUT EMERGENCY OVERRIDE MECHANISM



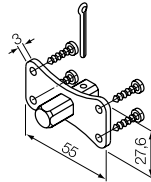
525.10012/AX max 30 Nm

10 mm square pin + bracket



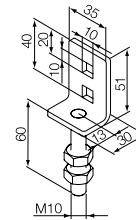
525.10012/M6AX max 30 Nm

10 mm square pin + bracket with M6 holes



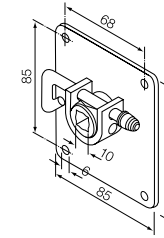
525.10013/AX max 30 Nm

10 mm square pin



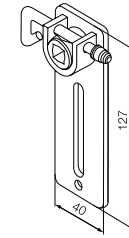
525.10020

Adjustable bracket for 10 mm square pin (must be used with art. 525.10013/AX)



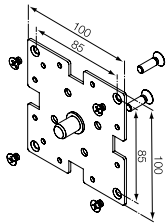
525.10032

Saddle bracket for 10 mm square pin, with release (must be used with art. 525.10013/AX)



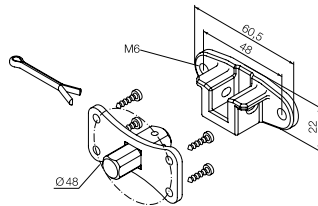
525.10033

Adjustable saddle bracket for 10 mm square pin, with release (must be used with art. 525.10013/AX)



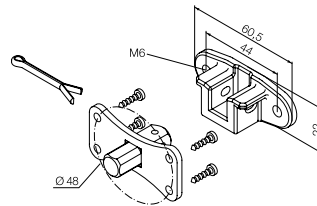
525.10044

Support with 100x100 flange



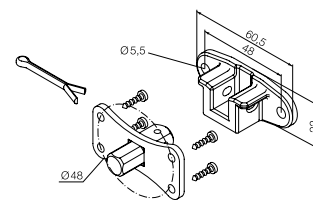
525.10056 max 30 Nm

10 mm square pin + saddle bracket, with M6 holes, centre distance 48 mm (for motors with manually programmed limit stops)



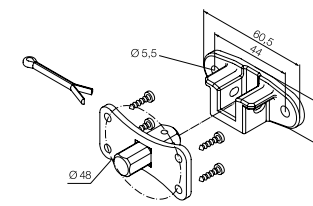
525.10057 max 30 Nm

10 mm square pin + saddle bracket, with M6 holes, centre distance 44 mm (for motors with manually programmed limit stops)



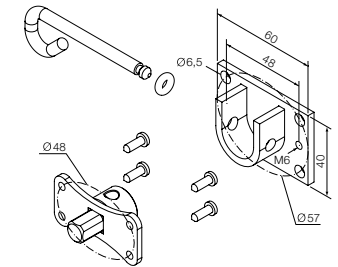
525.10061 max 30 Nm

10 mm square pin + saddle bracket, centre distance 48 mm (for motors with manually programmed limit stops)



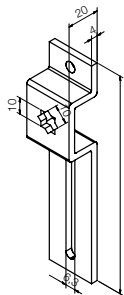
525.10062 max 30 Nm

10 mm square pin + saddle bracket, centre distance 44 mm (for motors with manually programmed limit stops)



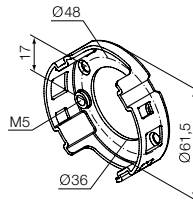
525.10091

Round pin + saddle bracket, with M6 holes, centre distance 48 mm, with release



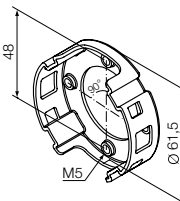
525.10094

Adjustable support with star seat, 10 mm



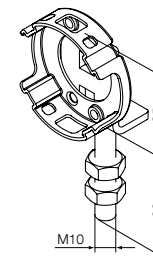
535.10010

Compact support, with 2 x M5 holes



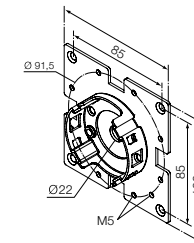
535.10022

Compact support, with 4 x M5 holes



535.10011

Compact support, adjustable with M10 screw

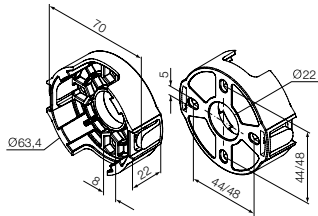


535.10012

Compact support, with 100x100 flange

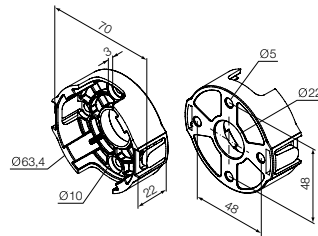
SUPPORTS - ERA M SERIES Ø 45 mm

FOR TUBULAR MOTORS WITHOUT EMERGENCY OVERRIDE MECHANISM



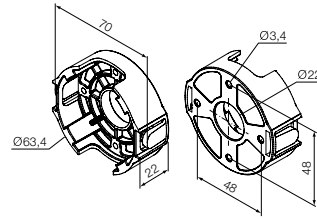
535.10013 max 30 Nm

Compact plastic support for recessed hexagonal bolts centre distance 44/48 mm



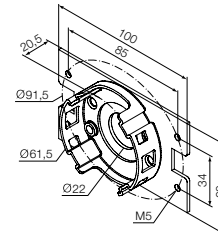
535.10014 max 30 Nm

Compact plastic support for recessed screws, centre distance 48 mm



535.10015 max 30 Nm

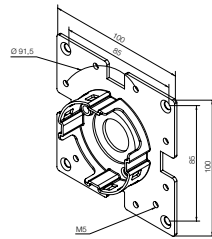
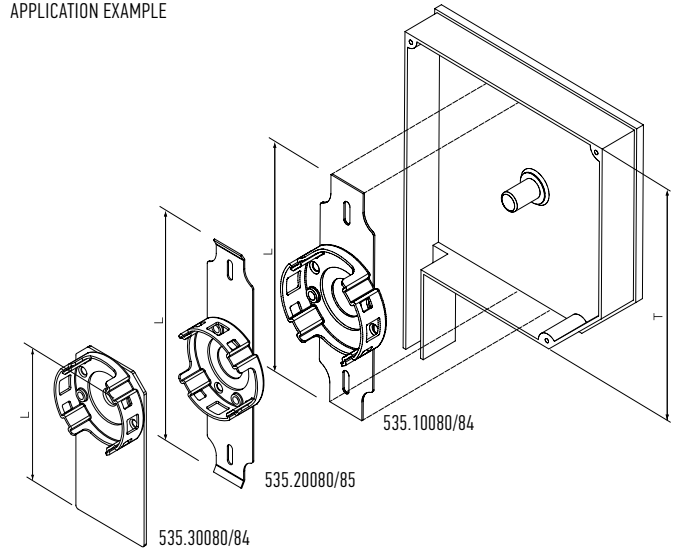
Compact plastic support for self-tapping screws, centre distance 48 mm



535.10017

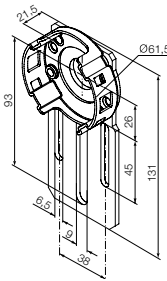
Compact support, with 100x60 flange

APPLICATION EXAMPLE



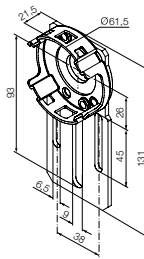
535.10027

Compact 45° support, with 100x100 flange



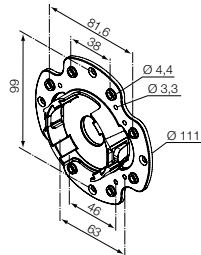
535.10037

Compact support, adjustable (standard)



535.10037/A

Compact support, adjustable (turned to 90°)



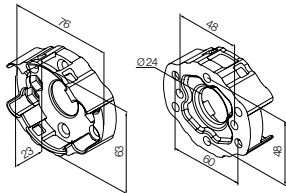
535.10043

Compact plastic support with flange for Zurflüh Feller side pieces

BLADES FOR BOXES

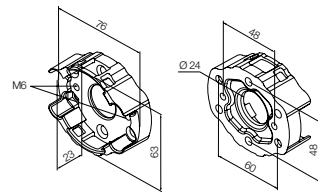
with compact pre-mounted bracket

CODE	L SIZE	T SIZE	MAX. TORQUE
535.10080	125 mm	125 mm	15 Nm
535.10081	132 mm	137 mm	15 Nm
535.10082	145 mm	150 mm	15 Nm
535.10083	160 mm	165 mm	15 Nm
535.10084	175 mm	180 mm	30 Nm
535.10085	200 mm	205 mm	30 Nm
535.10086	179 mm	180 mm	30 Nm
535.20080	119.3 mm	125 mm	15 Nm
535.20081	131.3 mm	137 mm	15 Nm
535.20082	144.3 mm	150 mm	15 Nm
535.20083	159.3 mm	165 mm	15 Nm
535.20084	174.3 mm	180 mm	30 Nm
535.20085	199.3 mm	205 mm	30 Nm
535.30080	64 mm	137 mm	15 Nm
535.30081	70.6 mm	150 mm	15 Nm
535.30082	78 mm	165 mm	15 Nm
535.30083	85 mm	180 mm	30 Nm
535.30084	98 mm	205 mm	30 Nm



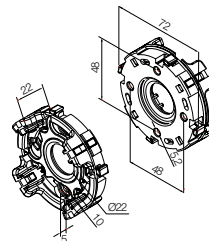
535.10091

Compact aluminium support with 2 holes, centre distance 48 and 60 mm



535.10092

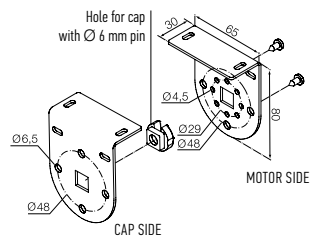
Compact aluminium support with 2 holes, centre distance 48 (M6) and 60 mm



535.10093 max 30 Nm

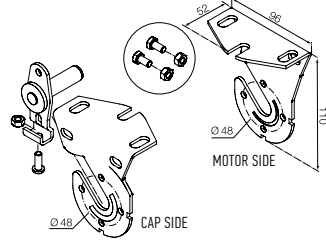
Compact snap-mount support

KITS FOR ROLLER BLINDS



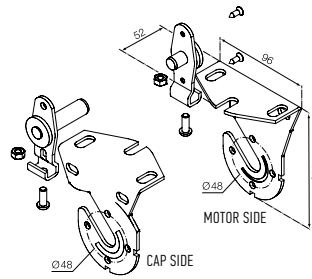
525.10070

White support kit.
For motors Ø 35/45 mm, max 30 Nm
(for use with 575.12050)



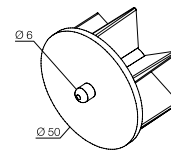
525.10071

White support kit with quick connectors on one side.
For motors Ø 45 mm, max 30 Nm
(for use with 575.12150 or 575.12178)



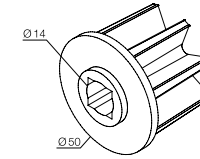
525.10072

White support kit with quick connectors on two sides.
For motors Ø 45 mm, max 40 Nm
(for use with 575.12150 or 575.12178)



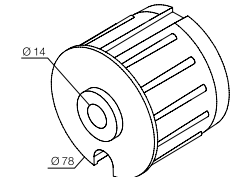
575.12050

Cap with pin for Ø 50 mm roller



575.12150

Cap without pin for Ø 50 mm roller

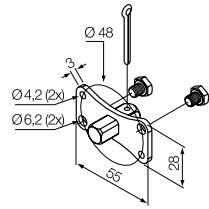


575.12178

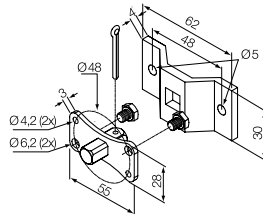
Cap without pin for Ø 78 mm roller

SUPPORTS - ERA MH SERIES Ø 45 mm

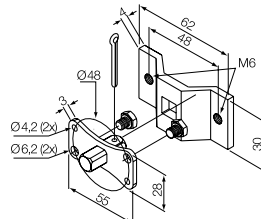
FOR TUBULAR MOTORS WITH EMERGENCY OVERRIDE MECHANISM



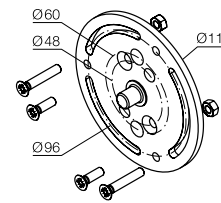
525.10016 max 30 Nm
10 mm square pin



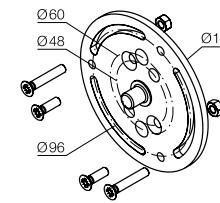
525.10017 max 30 Nm
10 mm square pin + bracket



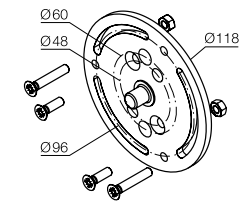
525.10017/M6 max 30 Nm
10 mm square pin + bracket with M6 holes



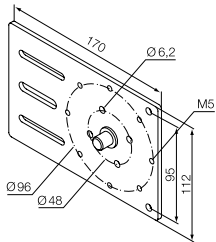
525.10019
Support for awnings, satin-finish
(recommended for use with art. 525.10050)



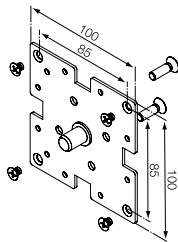
525.10019/20
Support for awnings, white lacquer finish
(recommended for use with art. 525.10050)



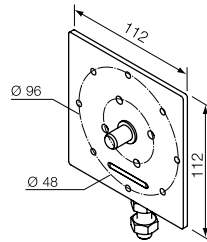
525.10019/80
Support for awnings, black lacquer finish
(recommended for use with art. 525.10050)



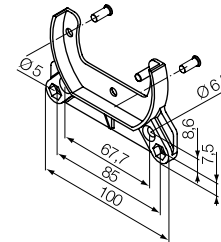
525.10021
Adjustable support



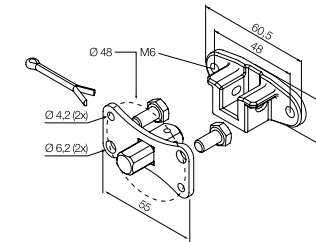
525.10044
Support 100x100



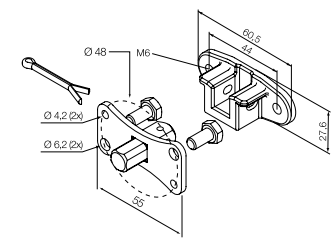
525.10047
Adjustable support Ø 10 mm



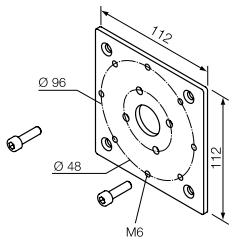
525.10050
Box side support



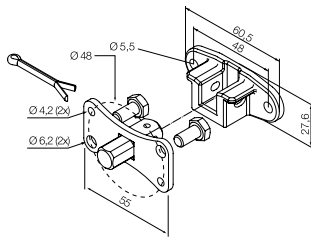
525.10058 max 30 Nm
10 mm square pin + saddle bracket,
with M6 holes centre distance 48 mm



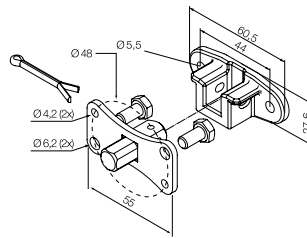
525.10059 max 30 Nm
10 mm square pin + saddle bracket,
with M6 holes centre distance 44 mm



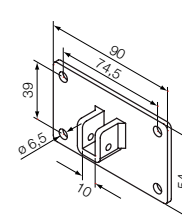
525.10060
112x112 support



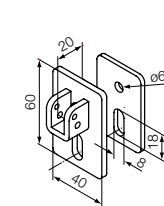
525.10063 max 30 Nm
10 mm square pin + bracket, with holes centre
distance 48 mm



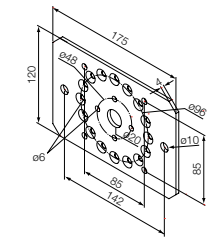
525.10064 max 30 Nm
10 mm square pin + bracket, with holes centre
distance 44 mm



525.10074 max 30 Nm
90x54 flange with saddle bracket
for 10 mm pin



525.10087 max 30 Nm
Support kit with saddle bracket for 10 mm
square pin



525.10089
175x120 support for sides

ERA L

Tubular motor with mechanical limit stop.
Ideal for awnings, blinds and shutters.
L size Ø 58 mm.

Powerful and versatile.

Suitable for all needs. Can also be used for large-scale applications with versions up to 120 Nm.

Simple and practical.

Intuitive adjustment of up and down limit positions, thanks to the mechanical limit stop.

Easy to install

thanks to the new compact support and innovative click system to fasten the drive wheel.

Wired and/or radio connection to climatic sensors via external control units.



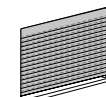
Roller blinds



Awnings



Rolling shutters



Rolling doors



Arbour awnings

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E L 5517	55 Nm, 17 rpm, 85 kg*	1	CE
E L 6517	65 Nm, 17 rpm, 100 kg*	1	CE
E L 7517	75 Nm, 17 rpm, 115 kg*	1	CE
E L 8012	80 Nm, 12 rpm, 120 kg*	1	CE
E L 10012	100 Nm, 12 rpm, 150 kg*	1	CE
E L 12012	120 Nm, 12 rpm, 180 kg*	1	CE

*Lifted weight, value calculated with 70 mm diameter roller.

TECHNICAL SPECIFICATION

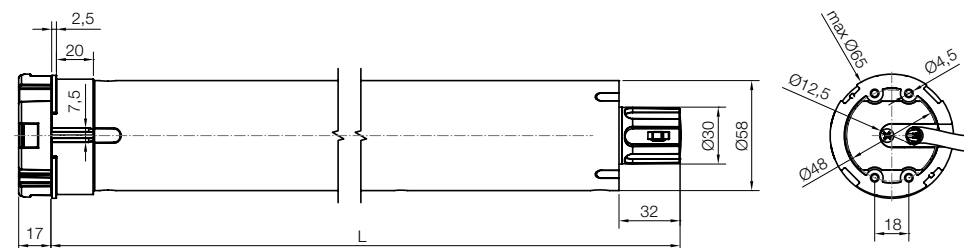
CODE	E L 5517	E L 6517	E L 7517	E L 8012	E L 10012	E L 12012
ELECTRICAL SPECIFICATIONS						
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	1.65	1.80	2.00	1.65	1.75	2.10
POWER (W)	360	420	420	360	390	465
ABSORBED POWER IN STAND-BY (W)	0.5	0.5	0.5	0.5	0.5	0.5
PERFORMANCE						
TORQUE (Nm)	55	65	75	80	100	120
SPEED (rpm)	17	17	17	12	12	12
LIFTED WEIGHT* (kg)	85	100	115	120	150	180
NUMBER OF TURNS BEFORE THE STOP	28	28	28	28	28	28
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4	4
DIMENSIONAL DATA						
LENGTH (L) (mm)	667	667	667	667	667	667
WEIGHT OF MOTOR (kg)	5.150	5.150	5.150	5.150	5.150	5.150
PACK DIMENSIONS (mm)	100x100x750	100x100x750	100x100x750	100x100x750	100x100x750	100x100x750

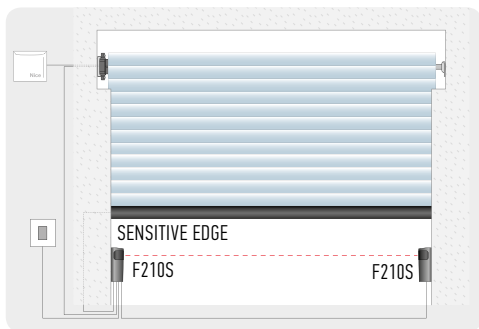
* Value calculated with 70 mm diameter octagonal roller. Protection class IP44.

Cable length 2.5 m, 4 wires in cable



DIMENSIONS





SAFETY FIRST FOR LARGE ROLLING SHUTTERS OR ROLLING DOORS INSTALLATIONS.

IDEAL CONTROL SYSTEMS



PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



CONTROL UNITS FOR SURFACE, CONCEALED OR PASSTHROUGH INSTALLATION.
MINDY, TT1 AND TT2



DIRECTIONAL SYNCHRONISED PHOTOCELLS. SEE PAGE 171.
F210S

ERA STAR LA

**Tubular motor with electronic limit switch.
Ideal for rolling shutters and rolling doors.
L size Ø 58 mm.**

Powerful and versatile.

Suitable for all needs. Can also be used for large-scale applications with versions up to 120 Nm.

Complete and intuitive programming.

Simple limit stop adjustment in manual, semi-automatic and automatic mode.

Useful feedback from rolling shutter movement.

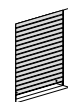
Safety for the automation.

Maximum precision in the shutter positions:

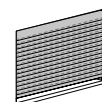
dynamic auto-update of limit stop positions (automatic and semi-automatic modes only) to compensate for expansion or shrinkage of the structure over time. The encoder technology in fact guarantees millimetric precision.

The built-in circuit board allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

Low consumption in stand-by.



Rolling shutters



Rolling doors

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E STAR LA 5517	55 Nm, 17 rpm, 85 kg*	1	CE
E STAR LA 6517	65 Nm, 17 rpm, 100 kg*	1	CE
E STAR LA 7517	75 Nm, 17 rpm, 115 kg*	1	CE
E STAR LA 8012	80 Nm, 12 rpm, 120 kg*	1	CE
E STAR LA 10012	100 Nm, 12 rpm, 150 kg*	1	CE
E STAR LA 12012	120 Nm, 12 rpm, 180 kg*	1	CE

*Lifted weight, value calculated with 70 mm diameter roller.

TECHNICAL SPECIFICATION

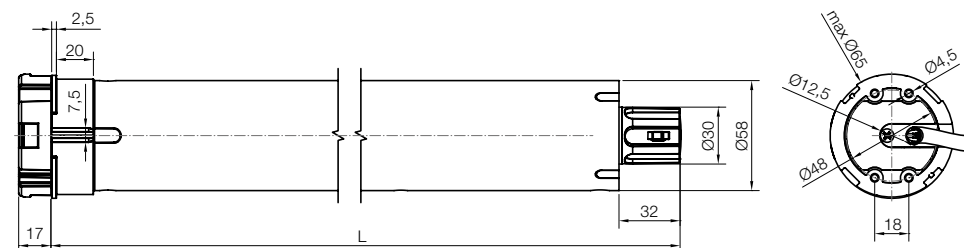
CODE	E STAR LA 5517	E STAR LA 6517	E STAR LA 7517	E STAR LA 8012	E STAR LA 10012	E STAR LA 12012
ELECTRICAL SPECIFICATIONS						
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	1.65	1.80	2.00	1.65	1.75	2.10
POWER (W)	360	420	420	360	390	465
ABSORBED POWER IN STAND-BY (W)	0.5	0.5	0.5	0.5	0.5	0.5
PERFORMANCE						
TORQUE (Nm)	55	65	75	80	100	120
SPEED (rpm)	17	17	17	12	12	12
LIFTED WEIGHT* (kg)	85	100	115	120	150	180
NUMBER OF TURNS BEFORE THE STOP	>100	>100	>100	>100	>100	>100
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4	4
DIMENSIONAL DATA						
LENGTH (L) (mm)	672	672	672	672	672	672
WEIGHT OF MOTOR (kg)	5.150	5.150	5.150	5.150	5.150	5.150
PACK DIMENSIONS (mm)	100x100x750	100x100x750	100x100x750	100x100x750	100x100x750	100x100x750

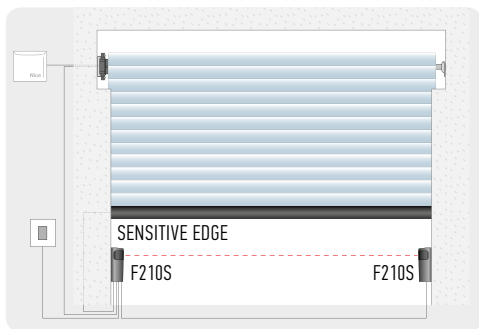
* Value calculated with 70 mm diameter octagonal roller. **Protection class IP44.**

Cable length 2.5 m, 4 wires in cable



DIMENSIONS





SAFETY FIRST FOR LARGE ROLLING SHUTTERS OR ROLLING DOORS INSTALLATIONS.

IDEAL CONTROL SYSTEMS



PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



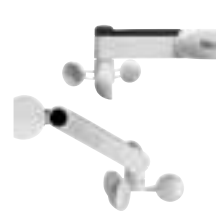
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



CONTROL UNITS FOR SURFACE, CONCEALED OR PASSTHROUGH INSTALLATION.
MINDY, TT1 AND TT2



DIRECTIONAL SYNCHRONISED PHOTOCELLS. SEE PAGE 171.
F210S



ELECTRONIC LIMIT SWITCH PROGRAMMING UNIT.
TTU

ERA STAR LT

Tubular motor with electronic limit switch.
Ideal for awnings and blinds.
L size Ø 58 mm.

Powerful and versatile.

Suitable for all needs. Can also be used for large-scale applications with versions up to 120 Nm.

Complete and intuitive programming.

Simple limit stop adjustment in manual, semi-automatic and automatic mode.

Useful feedback from awning movement.

The **encoder technology** guarantees millimetric precision of the limit stop.

Exclusive functions

RDC torque reduction system to stop movement smoothly without straining the fabric when the closed position is reached.

FRT withdraws the fabric by a programmable amount when the fully open position has been reached, thereby eliminating unsightly sagging.

FTC specific for the automation of awnings with blocking mechanism with automatic hooking.

FTA specific for the automation of awnings with blocking mechanism with manual hooking. Guarantees correct fabric tensioning in one or more points where the manual blocking mechanism is positioned.

The **built-in circuit board** allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

Low consumption in stand-by.



Roller blinds



Awnings



Arbour awnings

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E STAR LT 5517	55 Nm, 17 rpm	1	CE
E STAR LT 6517	65 Nm, 17 rpm	1	CE
E STAR LT 7517	75 Nm, 17 rpm	1	CE
E STAR LT 8012	80 Nm, 12 rpm	1	CE
E STAR LT 10012	100 Nm, 12 rpm	1	CE
E STAR LT 12012	120 Nm, 12 rpm	1	CE

TECHNICAL SPECIFICATION

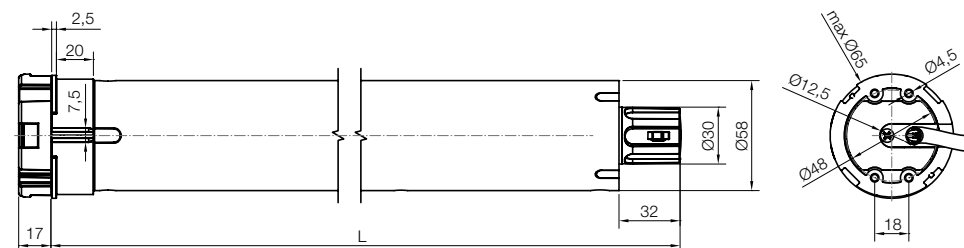
CODE	E STAR LT 5517	E STAR LT 6517	E STAR LT 7517	E STAR LT 8012	E STAR LT 10012	E STAR LT 12012
ELECTRICAL SPECIFICATIONS						
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	1.65	1.80	2.00	1.65	1.75	2.10
POWER (W)	360	420	420	360	390	465
ABSORBED POWER IN STAND-BY (W)	0.5	0.5	0.5	0.5	0.5	0.5
PERFORMANCE						
TORQUE (Nm)	55	65	75	80	100	120
SPEED (rpm)	17	17	17	12	12	12
NUMBER OF TURNS BEFORE THE STOP	>100	>100	>100	>100	>100	>100
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4	4
DIMENSIONAL DATA						
LENGTH (L) (mm)	672	672	672	672	672	672
WEIGHT OF MOTOR (kg)	5.150	5.150	5.150	5.150	5.150	5.150
PACK DIMENSIONS (mm)	100x100x750	100x100x750	100x100x750	100x100x750	100x100x750	100x100x750

Protection class IP44.

Cable length 2.5 m, 4 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



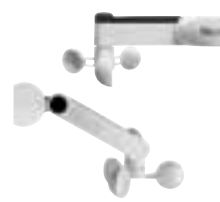
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



CONTROL UNITS FOR SURFACE, CONCEALED OR PASSTHROUGH INSTALLATION.
MINDY, TT1 AND TT2



ELECTRONIC LIMIT SWITCH PROGRAMMING UNIT.
TTU

ERA MAT LA

RADIO TTBUS

Tubular motor with electronic limit stop, built-in receiver and Nice TTBus technology. Ideal for rolling shutters and rolling doors. L size Ø 58 mm.

Complete and intuitive programming.

Convenient adjustment of limit stop position by the 0-View TT and TTP external programming units in automatic, semi-automatic or manual mode.

Useful feedback from rolling shutter movement.

Level programming: quick and safe.

Thanks to this function, there are a number of possible settings. If an incorrect selection is made, programming begins again from the previous level without the need to reprogramme all the settings programmed up to that point.

Memory locking to prevent accidental memorising.

Adjustment of a number of intermediate opening positions.

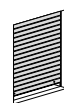
Thanks to Nice TTBus 3-wire technology: motor movement can be managed by means of a low-voltage control.

The built-in circuit board allows a number of motors to be connected and controlled in parallel from a single point without the need for additional control units.

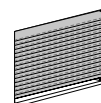
Safety for the automation.

Maximum precision in the shutter positions: dynamic auto-update of limit stop positions (automatic and semi-automatic modes only) to compensate for expansion or shrinkage of the structure over time. The **encoder technology** in fact guarantees millimetric precision.

Low consumption in stand-by.



Rolling shutters



Rolling doors

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E MAT LA 5517	55 Nm, 17 rpm, 85 kg*	1	CE
E MAT LA 6517	65 Nm, 17 rpm, 100 kg*	1	CE
E MAT LA 7517	75 Nm, 17 rpm, 115 kg*	1	CE
E MAT LA 8012	80 Nm, 12 rpm, 120 kg*	1	CE
E MAT LA 10012	100 Nm, 12 rpm, 150 kg*	1	CE
E MAT LA 12012	120 Nm, 12 rpm, 180 kg*	1	CE

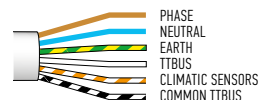
*Lifted weight, value calculated with octagonal 70 mm diameter roller.

TECHNICAL SPECIFICATION

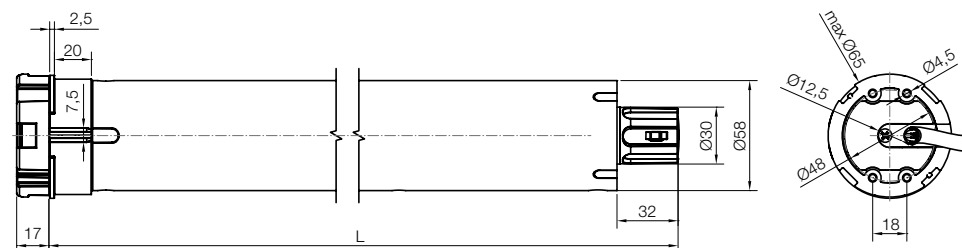
CODE	E MAT LA 5517	E MAT LA 6517	E MAT LA 7517	E MAT LA 8012	E MAT LA 10012	E MAT LA 12012
ELECTRICAL SPECIFICATIONS						
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	1.65	1.80	2.00	1.65	1.75	2.10
POWER (W)	360	420	420	360	390	465
ABSORBED POWER IN STAND-BY (W)	0.5	0.5	0.5	0.5	0.5	0.5
PERFORMANCE						
TORQUE (Nm)	55	65	75	80	100	120
SPEED (rpm)	17	17	17	12	12	12
LIFTED WEIGHT* (kg)	85	100	115	120	150	180
NUMBER OF TURNS BEFORE THE STOP	>100	>100	>100	>100	>100	>100
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4	4
DIMENSIONAL DATA						
LENGTH (L) (mm)	672	672	672	672	672	672
WEIGHT OF MOTOR (kg)	5.150	5.150	5.150	5.150	5.150	5.150
PACK DIMENSIONS (mm)	100x100x750	100x100x750	100x100x750	100x100x750	100x100x750	100x100x750

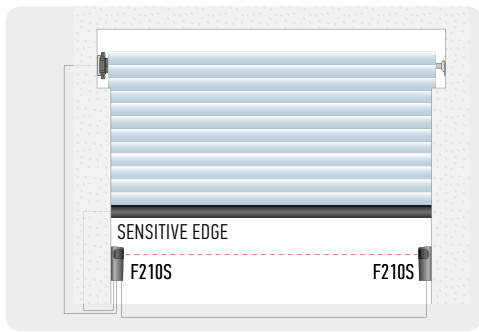
* Value calculated with 70 mm diameter octagonal roller. Protection class IP44.

Cable length 2.5 m, 6 wires in cable



DIMENSIONS





SAFETY FIRST FOR LARGE ROLLING SHUTTERS OR ROLLING DOORS INSTALLATIONS.

IDEAL CONTROL SYSTEMS



PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



DIRECTIONAL SYNCHRONISED PHOTOCELLS. SEE PAGE 163.
F210S



PROGRAMMING UNIT AND INTERFACE WITH PROGRAMMING SOFTWARE.
O-VIEW TT, TTP

ERA MAT LT

RADIO TTBUS

Tubular motor with electronic limit switch, built-in receiver and Nice TTBus technology. Ideal for awnings and blinds. L size Ø 58 mm.

Complete and intuitive programming.

Convenient remote adjustment of limit stop positions by transmitter or with the O-View TT and TTP external programming units in automatic, semi-automatic or manual mode.

Useful feedback from rolling shutter movement.

Level programming: quick and safe.

Thanks to this function, there are just two possible settings. If an incorrect selection is made, programming begins again from the previous level without the need to reprogramme all the settings programmed up to that point.

Memory locking to prevent accidental memorising.

Adjustment of a number of intermediate opening positions. In installations employing awnings with hooks, the intermediate heights can be used to obtain different hooking positions.

Thanks to Nice TTBus 3-wire technology: motor movement can be managed by means of a low-voltage control; simple and intuitive connection to climatic sensors by wire without external control units and/or via radio.

A number of motors can be connected in parallel from a single control point without the need for additional control units.

The encoder technology guarantees millimetric precision.

Exclusive functions:

RDC torque reduction system to stop movement smoothly without straining the fabric when the closed position is reached.

FRT withdraws the fabric by a programmable amount when the fully open position has been reached, thereby eliminating unsightly sagging.

FTC specific for the automation of awnings with blocking mechanism with automatic hooking.

FTA specific for the automation of awnings with blocking mechanism with manual hooking. Guarantees correct fabric tensioning in one or more points where the manual blocking mechanism is positioned.



Roller blinds



Awnings



Arbour awnings

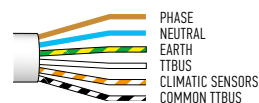
CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E MAT LT 5517	55 Nm, 17 rpm	1	CE
E MAT LT 6517	65 Nm, 17 rpm	1	CE
E MAT LT 7517	75 Nm, 17 rpm	1	CE
E MAT LT 8012	80 Nm, 12 rpm	1	CE
E MAT LT 10012	100 Nm, 12 rpm	1	CE
E MAT LT 12012	120 Nm, 12 rpm	1	CE

TECHNICAL SPECIFICATION

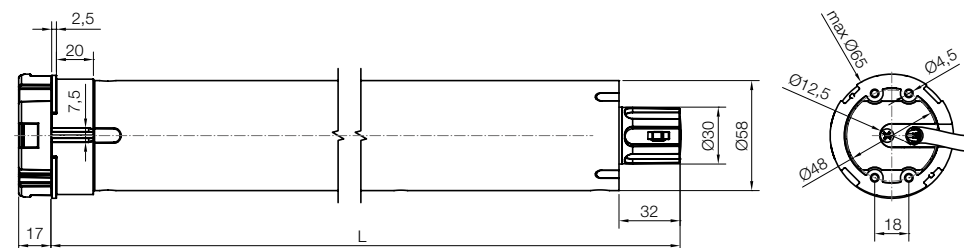
CODE	E MAT LT 5517	E MAT LT 6517	E MAT LT 7517	E MAT LT 8012	E MAT LT 10012	E MAT LT 12012
ELECTRICAL SPECIFICATIONS						
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	1.65	1.80	2.00	1.65	1.75	2.10
POWER (W)	360	420	420	360	390	465
ABSORBED POWER IN STAND-BY (W)	0.5	0.5	0.5	0.5	0.5	0.5
PERFORMANCE						
TORQUE (Nm)	55	65	75	80	100	120
SPEED (rpm)	17	17	17	12	12	12
NUMBER OF TURNS BEFORE THE STOP	>100	>100	>100	>100	>100	>100
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4	4
DIMENSIONAL DATA						
LENGTH (L) (mm)	672	672	672	672	672	672
WEIGHT OF MOTOR (kg)	5.150	5.150	5.150	5.150	5.150	5.150
PACK DIMENSIONS (mm)	100x100x750	100x100x750	100x100x750	100x100x750	100x100x750	100x100x750

Protection class IP44.

Cable length 2.5 m, 6 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



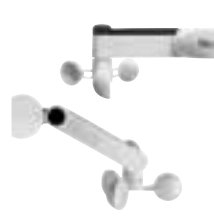
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



PROGRAMMING UNIT AND INTERFACE WITH PROGRAMMING SOFTWARE.
O-VIEW TT, TTP

ERA LH

NEW

Tubular motor with mechanical limit stop, manual emergency override mechanism.

Ideal for blinds, awnings and rolling doors.

L size \varnothing 58 mm.

Powerful, robust and versatile

Suitable for all needs. It can be used also for large-scale applications with versions up to 120 Nm. Zama motor head.

Simple and practical

Intuitive adjustment of up and down limit positions, thanks to the mechanical limit stop.

Wired and/or radio connection to climatic sensors, via external control units.



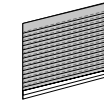
Roller blinds



Awnings



Rolling shutters



Rolling doors

CODE	DESCRIPTION	CERTIFICATES
E LH 5517	55 Nm, 17 rpm, 85 kg*	CE
E LH 6517	65 Nm, 17 rpm, 100 kg*	CE
E LH 7517	75 Nm, 17 rpm, 115 kg*	CE
E LH 8012	80 Nm, 12 rpm, 120 kg*	CE
E LH 10012	100 Nm, 12 rpm, 150 kg*	CE
E LH 12012	120 Nm, 12 rpm, 180 kg*	CE

*Lifted weight, value calculated with 70 mm diameter octagonal roller.

TECHNICAL SPECIFICATION

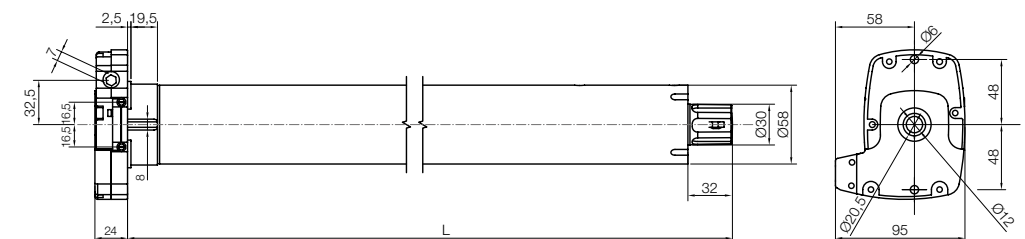
CODE	E LH 5517	E LH 6517	E LH 7517	E LH 8012	E LH 10012	E LH 12012
ELECTRICAL SPECIFICATIONS						
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	1.65	1.80	2	1.65	1.75	2.10
POWER (W)	360	420	420	360	390	465
ABSORBED POWER IN STAND-BY (W)	0.5	0.5	0.5	0.5	0.5	0.5
PERFORMANCE						
TORQUE (Nm)	55	65	75	80	100	120
SPEED (rpm)	17	17	17	12	12	12
NUMBER OF TURNS BEFORE THE STOP	28	28	28	28	28	28
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4	4
DIMENSIONAL DATA						
LENGTH (L) (mm)	832	832	832	832	832	832
WEIGHT OF MOTOR (kg)	7,34	7,34	7,34	7,34	7,34	7,34
PACK DIMENSIONS (mm)	144x148x1003	144x148x1003	144x148x1003	144x148x1003	144x148x1003	144x148x1003

Protection class IP44

Cable length 3 m, 5 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



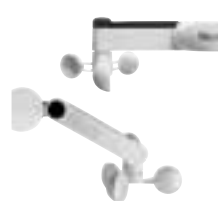
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



PROGRAMMING UNIT AND INTERFACE WITH PROGRAMMING SOFTWARE.
O-VIEW TT, TTP

ERA PLUS LH

NEW

Tubular motor with mechanical limit stop, built-in receiver and Nice TTBUS technology, manual emergency override mechanism.

Ideal for blinds, awnings and rolling doors.

L size \varnothing 58 mm.

Powerful, robust and versatile

Suitable for all needs. It can be used also for large-scale applications with versions up to 120 Nm. Zama motor head.

Simple and practical

Intuitive adjustment of up and down limit positions, thanks to the mechanical limit stop.

Memory locking to prevent accidental memorising.

Simple programming

It can memorise up to 30 transmitters without having to connect to or access the motor. It allows remote activation of new transmitters once the first has been memorised.

Easy to install

With compact supports or fixing directly on the head and innovative click system to fasten the drive wheel.

Thanks to Nice TTBUS 2-wire technology:

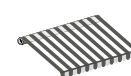
The motor movement can be managed by means of a low-voltage Step-by-Step control; simple and intuitive connection to climatic sensors via radio.

Safety for the automation.

Possibility of connecting a resistive sensitive edge and photocells.



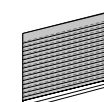
Roller blinds



Awnings



Rolling shutters



Rolling doors

CODE	DESCRIPTION	CERTIFICATES
E PLUS LH 5517	55 Nm, 17 rpm, 85 kg*	CE
E PLUS LH 6517	65 Nm, 17 rpm, 100 kg*	CE
E PLUS LH 7517	75 Nm, 17 rpm, 115 kg*	CE
E PLUS LH 8012	80 Nm, 12 rpm, 120 kg*	CE
E PLUS LH 10012	100 Nm, 12 rpm, 150 kg*	CE
E PLUS LH 12012	120 Nm, 12 rpm, 180 kg*	CE

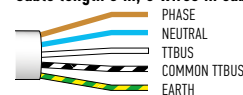
*Lifted weight, value calculated with 70 mm diameter octagonal roller.

TECHNICAL SPECIFICATION

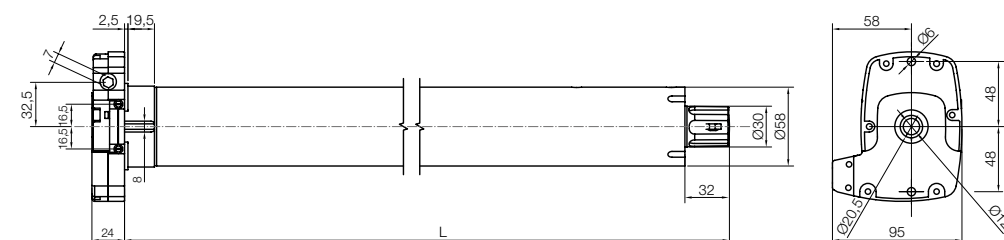
CODE	E PLUS LH 5517	E PLUS LH 6517	E PLUS LH 7517	E PLUS LH 8012	E PLUS LH 10012	E PLUS LH 12012
ELECTRICAL SPECIFICATIONS						
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	1.65	1.80	2	1.65	1.75	2.10
POWER (W)	360	420	420	360	390	465
ABSORBED POWER IN STAND-BY (W)	0.5	0.5	0.5	0.5	0.5	0.5
PERFORMANCE						
TORQUE (Nm)	55	65	75	80	100	120
SPEED (rpm)	17	17	17	12	12	12
NUMBER OF TURNS BEFORE THE STOP	28	28	28	28	28	28
CONTINUOUS OPERATING TIME (min)	4	4	4	4	4	4
DIMENSIONAL DATA						
LENGTH (L) (mm)	910	910	910	910	910	910
WEIGHT OF MOTOR (kg)	7.70	7.70	7.70	7.70	7.70	7.70
PACK DIMENSIONS (mm)	144x148x1003	144x148x1003	144x148x1003	144x148x1003	144x148x1003	144x148x1003

Protection class IP44

Cable length 3 m, 5 wires in cable



DIMENSIONS





PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



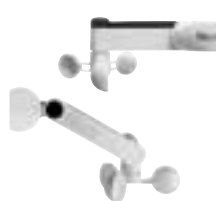
WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES

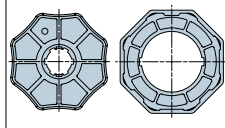
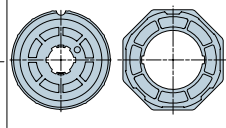
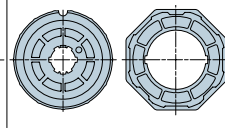
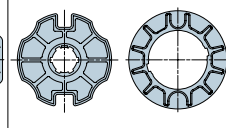
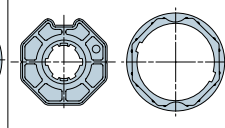
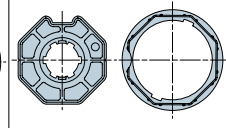
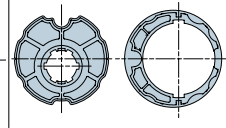
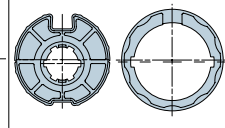
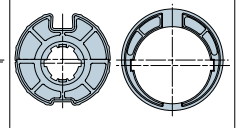
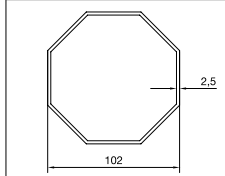
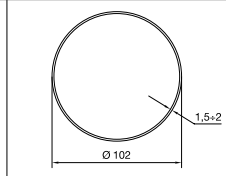
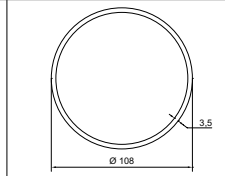
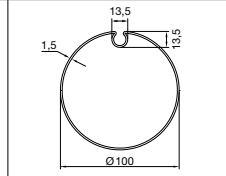
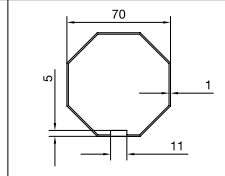
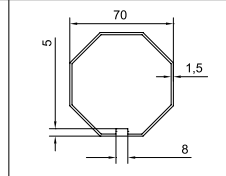
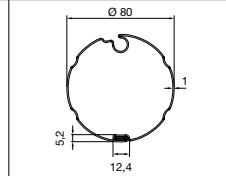
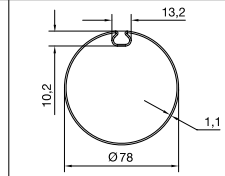
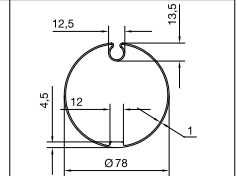
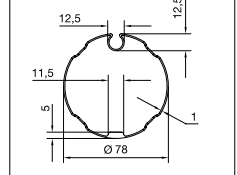


LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES

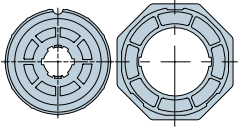
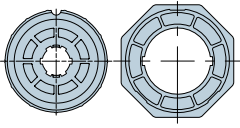
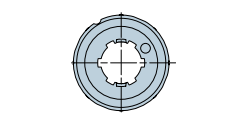
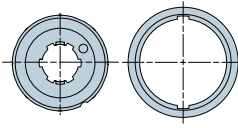
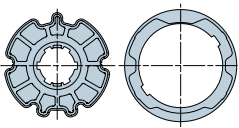
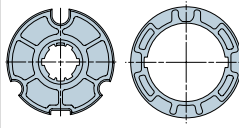
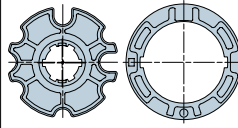
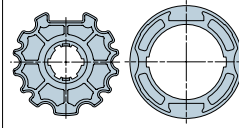


PROGRAMMING UNIT AND INTERFACE WITH PROGRAMMING SOFTWARE.
O-VIEW TT, TTP

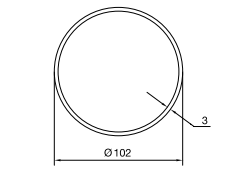
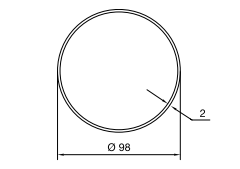
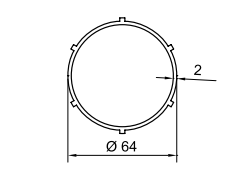
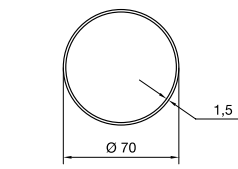
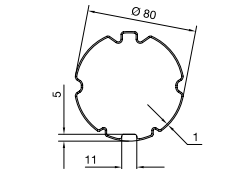
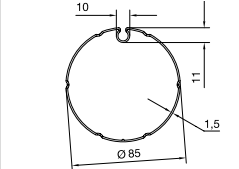
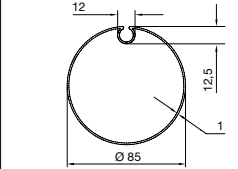
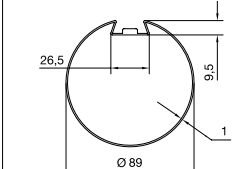


ADAPTERS - ERA L SERIES \varnothing 58 mm

COMPATIBLE ADAPTERS																		
	516.01020 Octagonal 102x2.5 wheel + crown		516.01021 Round 102x(1.5-2) wheel + crown		516.01022 Round 108x3.5 wheel + crown		516.01023 Notch 100x1.5 wheel + crown		516.07000 Octagonal 70x1 wheel + crown		516.07015 Octagonal 70x1.5 wheel + crown		516.17300 Inclined notch 80x1 wheel + crown		516.17800 Flat notch 78x(0.8-1.1) wheel + crown		516.17802 Notch 78x1 wheel + crown	
TYPE OF ROLLER PRESENT IN THE SYSTEM	 <p>OCTAGONAL 102</p>		 <p>ROUND 102</p>		 <p>ROUND 108</p>		 <p>NOTCH 100</p>		 <p>OCTAGONAL 70</p>		 <p>OCTAGONAL 70x1.5</p>		 <p>INCLINED NOTCH 80 / ROLLER BAT</p>		 <p>FLAT NOTCH 78</p>		 <p>NOTCH 78</p>	
																	 <p>CORRUGATED NOTCH 78</p>	

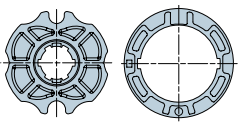
COMPATIBLE ADAPTERS

							
516.21020 Round 102x3 wheel + crown	516.21021 Round 98x2 wheel + crown	516.26400 Round 64x2 wheel	516.27000 Round 70x1.5 wheel + crown	516.28000 ZF80 wheel + crown	516.28500 Notch 85x(1.2-1.5) wheel + crown	516.28501 Notch 85x1 wheel + crown	516.28900 Round 89x1 (Deprat) wheel + crown

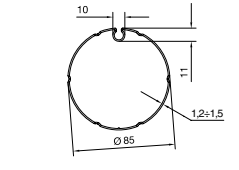
TYPE OF ROLLER PRESENT IN THE SYSTEM

							
ROUND 102	ROUND 98	ROUND 64X2	ROUND 70	ZF80	CORRUGATED NOTCH 85	NOTCH 85	DEPRAT 89
							
ROUND 80	NOTCH 86						

COMPATIBLE ADAPTERS


515.28502 Notch 85x(1,2÷1,5) wheel + crown

TYPE OF ROLLER PRESENT IN THE SYSTEM


CORRUGATED NOTCH 85

SELECTION GUIDE

S SIZE MOTORS Ø 35

M SIZE MOTORS Ø 45

L SIZE MOTORS Ø 58

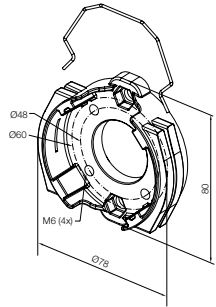
XL SIZE MOTORS Ø 90

CONTROL SYSTEMS

INSTALLATION GUIDE
AND ALPHABETICAL INDEX

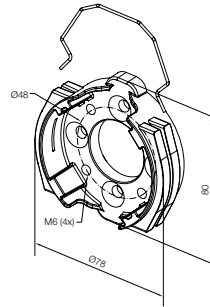
SUPPORTS ERA L SERIES Ø 58 mm

FOR TUBULAR MOTORS WITHOUT EMERGENCY OVERRIDE MECHANISM



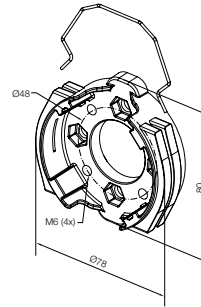
526.10001

Aluminium support with 4 x M6 holes and 2 hexagonal seats for M6 nuts. For 120 Nm torque use: 4 x M6 screws on Ø48, 2 x M6 screws on Ø60 hexagons (use class 8.8 screws and nuts).



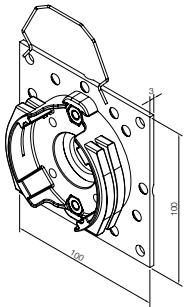
526.10002

Aluminium support with 4 x M6 holes and 4 seats for M6 countersunk screws. For 120 Nm torque use: 4 x M6 screws on Ø48, 4 countersunk screws on Ø48 (class 8.8 screws).



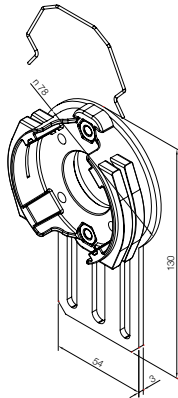
526.10003

Aluminium support with 4 x M6 holes and 4 hexagonal seats for M6 nuts. For 120 Nm torque use: 4 x M6 screws on Ø48, 4 x M6 screws on Ø48 hexagons (use class 8.8 screws and nuts).



526.10029

Universal support.



526.10037

Adjustable standard support.

ERA XL

Tubular motors with mechanical limit stop.
Ideal for large rolling shutters, awnings and rolling doors.
XL size Ø 90 mm.

Powerful and fast:

Up to 300 Nm torque in complete comfort, 12 rpm.

Reliable and silent:

The large sized motor guarantees a long working life.
 The perfect gear mechanism guarantees low noise levels while the motors are operating.

Flexible:

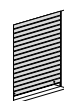
interchangeable adapters can be used for tubes with a Ø from 98x2.0 mm to 168x4.0 mm or SW 114 (octagonal).

Easy to install:

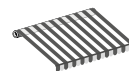
the fixing plates must be installed perpendicular to the installation site.

If the surface is uneven, the special wall plate (article 537.10001) must be used.

Compatible with Nice control systems.



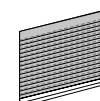
Rolling shutters



Awnings



Arbour awnings



Rolling doors

CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
E XL 12012	120 Nm, 12 rpm	1	CE
E XL 15012	150 Nm, 12 rpm	1	CE
E XL 18012	180 Nm, 12 rpm	1	CE
E XL 23012	230 Nm, 12 rpm	1	CE
E XL 30012	300 Nm, 12 rpm	1	CE

TECHNICAL SPECIFICATION

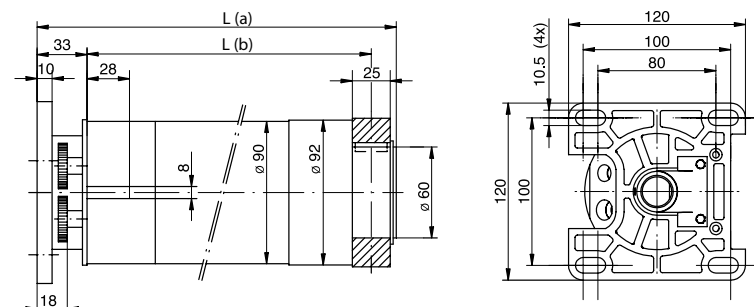
CODE	E XL 12012	E XL 15012	E XL 18012	E XL 23012	E XL 30012
ELECTRICAL SPECIFICATIONS					
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	3.4	3.5	3.7	3.9	5.4
POWER (W)	700	740	780	810	1250
PERFORMANCE					
TORQUE (Nm)	120	150	180	230	300
SPEED (rpm)	12	12	12	12	12
LIFTED WEIGHT* (kg)	162	203	243	311	405
NUMBER OF TURNS BEFORE THE STOP	36	36	36	36	36
CONTINUOUS OPERATING TIME (min)	6	6	6	5	5
DIMENSIONAL DATA					
LENGTH (L) (mm)	639/626	639/626	639/626	639/626	679/666
WEIGHT OF MOTOR (kg)	13.4	11.83	11.2	11.2	13.8
PACK DIMENSIONS (mm)	750x210x210	750x210x210	750x210x210	750x210x210	750x210x210

* Value with 108 mm diameter octagonal roller. Protection class IP44.

Cable length 3 m, 4 wires in cable



DIMENSIONS



ERA XLH

Reliable, thanks to the manual emergency override mechanism.

The motor guarantees operation even in the event of black-out, manual transmission is activated automatically when the handle is used.

Safe:

Thanks to the use of safety systems, such as the drop-prevention device and sensitive edge.

Easy to install:

The fixing plates must be installed perpendicular to the installation site.

If the surface is uneven, the special wall plate (article 537.10001) must be used.

Compatible with Nice control systems.

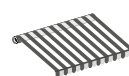
Tubular motors with mechanical limit stop and manual emergency override mechanism. Ideal for large rolling shutters, awnings and rolling doors. XL size Ø 90 mm.

Powerful and fast:

Up to 300 Nm torque in complete comfort, 12 rpm.



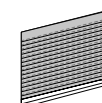
Rolling shutters



Awnings



Arbour awnings



Rolling doors

CODE	DESCRIPTION	CERTIFICATES
E XLH 12012	120 Nm, 12 rpm	CE
E XLH 15012	150 Nm, 12 rpm	CE
E XLH 18012	180 Nm, 12 rpm	CE
E XLH 23012	230 Nm, 12 rpm	CE
E XLH 30012	300 Nm, 12 rpm	CE

TECHNICAL SPECIFICATION

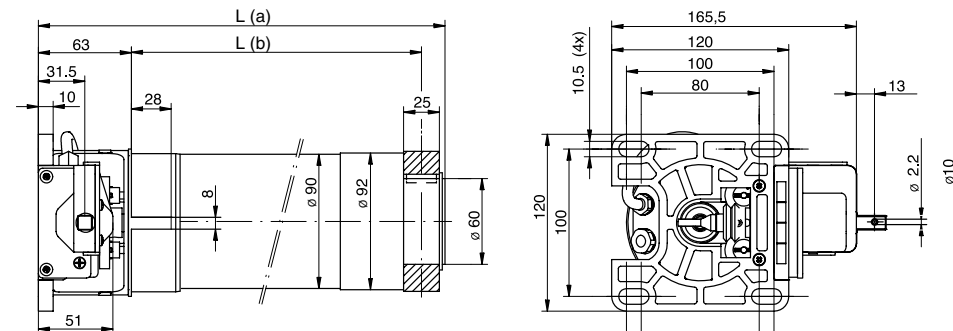
CODE	E XLH 12012	E XLH 15012	E XLH 18012	E XLH 23012	E XLH 30012
ELECTRICAL SPECIFICATIONS					
POWER SUPPLY (VAC/Hz)	230/50	230/50	230/50	230/50	230/50
ABSORPTION (A)	3.4	3.5	3.7	3.9	5.4
POWER (W)	700	740	780	810	1250
PERFORMANCE					
TORQUE (Nm)	120	150	180	230	300
SPEED (rpm)	12	12	12	12	12
LIFTED WEIGHT* (kg)	162	203	243	311	405
NUMBER OF TURNS BEFORE THE STOP	36	36	36	36	36
CONTINUOUS OPERATING TIME (min)	6	6	6	5	5
DIMENSIONAL DATA					
LENGTH (L) (mm)	639/626	639/626	639/626	639/626	679/666
WEIGHT OF MOTOR (kg)	13.4	11.8	11.8	11.2	13.8
PACK DIMENSIONS (mm)	750x210x210	750x210x210	750x210x210	750x210x210	750x210x210

* Value with 108 mm diameter octagonal roller. Protection class IP44.

Cable length 3 m, 4 wires in cable


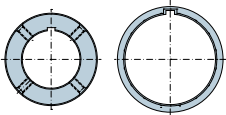
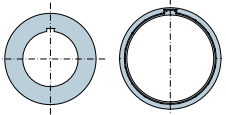
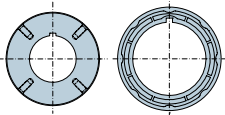
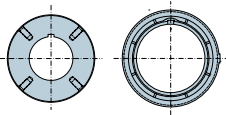
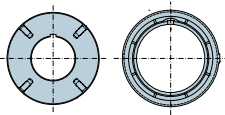
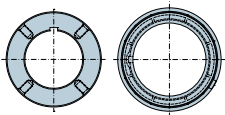
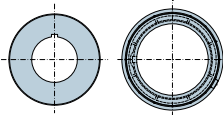


DIMENSIONS

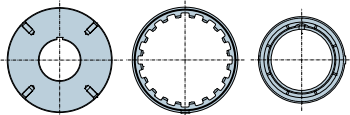
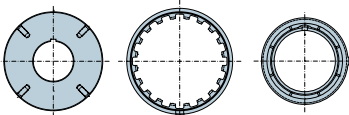
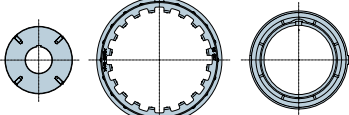
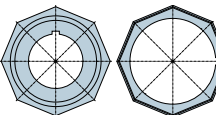


ADAPTERS - ERA XL SERIES Ø 90 mm

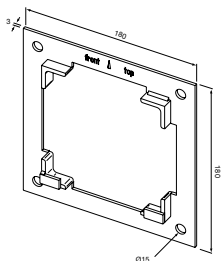
COMPATIBLE ADAPTERS

							
517.29800 Round 98x2; 101.6x3.6 mm with M8 threaded holes wheel	517.21020 Round 102x2 mm with M8 threaded holes wheel + crown	517.21080 Round 108x3.6 mm without threaded holes wheel + crown	517.21200 Round 120 mm Alukon with M8 threaded holes wheel + crown	517.21331 Round 133x2 mm with M8 threaded holes wheel + crown	517.21332 Round 133x2.5 mm with M8 threaded holes wheel + crown	517.21333 Round 133x4 mm with M8 threaded holes wheel + crown	517.21334 Round 133x4 mm without threaded holes wheel + crown

COMPATIBLE ADAPTERS

			
517.21591 Round 159x2.6 mm with M8 threaded holes wheel + 2 crowns snap-mounted together	517.21592 Round 159x4.5 mm with M8 threaded holes wheel + 2 crowns snap-mounted together	517.21680 Round 168.3x4.5 mm with M8 threaded holes wheel + 2 crowns snap-mounted together	517.01140 Octagonal 114 mm Heroal wheel + crown

SUPPORTS - ERA XL SERIES Ø 90 mm



537.10001

Wall support

COMMON ACCESSORIES



575.11055

Anti-intrusion spring with hook + 2 links



575.11057

Anti-intrusion spring with hook + 3 links



575.11058

Anti-intrusion spring 1 element, slat thickness 8 and 14 mm, octagonal rollers 60, ZF54 and ZF64



575.11059

Anti-intrusion spring 2 elements, slat thickness 8 and 14 mm, octagonal rollers 60, ZF54 and ZF64



39.030

Hirschmann Stas 3N grey male connector (to be combined with 39.032)



39.031

Hirschmann Stas 3N grey female connector (to be combined with 39.032)



39.032

Fixing bracket to be applied to 39.030



575.11060

Octagonal ring Ø 60 mm



575.11070

Octagonal ring Ø 70 mm



575.12260

Telescopic cap for octagonal roller Ø 60 mm



575.12060

Cap with pin for octagonal roller Ø 60 mm



575.12250

Cap with pin for round roller Ø 50 mm



575.12270

Telescopic cap for octagonal roller Ø 70 mm



575.12070

Cap with pin for octagonal roller Ø 70 mm



585.10200

Adjusting key



41.082

Bearing with 42 mm external dia. and 12 mm hole axis



525.10048

Bearing support, Ø 42 mm adjustable (can be used with art. 41.082)



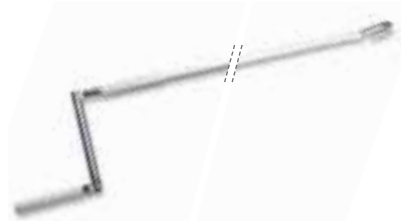
525.10066

Galvanised steel bearing support, Ø 42 mm (can be used with art. 41.082)

HANDCRANKS AND EYEBOLTS



CODE	DESCRIPTION
576.10150	Handcrank with hook, grey RAL7035. L=1500 mm
576.10180	Handcrank with hook, grey RAL7035. L=1800 mm



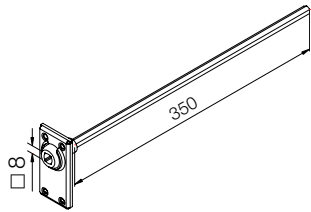
578.15045	Articulated handcrank with hook, white RAL9010. L=1500 mm
------------------	--



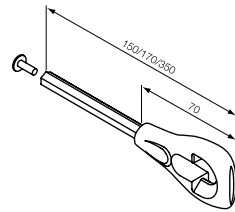
579.15145	Handcrank with 2-hole flange and hexagonal head 7, white RAL9010. L=1500 mm
------------------	--



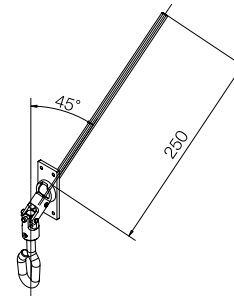
578.18047	Handcrank for concealed joint, square 8. L=1500 mm (must be used with art. 578.18048)
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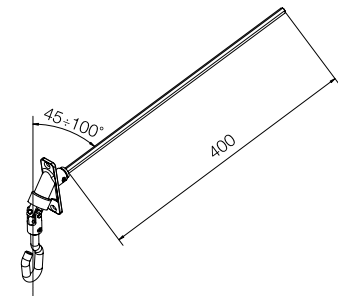
578.18048	Concealed joint, square 8, with hexagonal handcrank 7 (must be used with art. 578.18047)
------------------	--



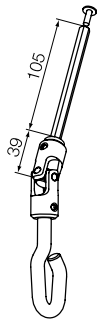
EYEBOLT WITH 7 mm HEXAGONAL HANDCRANK	
CODE	L SIZE
525.10025	150 mm
525.10025/170	170 mm
525.10025/350	350 mm



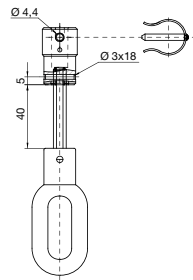
577.10145	Eyebolt with 45° joint, 4-hole flange and hexagonal head 7
------------------	--



577.14190	Eyebolt with 90° joint, 2-hole flange and hexagonal head 7
------------------	--



577.10146	Eyebolt with joint and hexagonal head 7
------------------	---



577.10148	Eyebolt for Era XLH motor
------------------	---------------------------

MOTORS FOR CANOPY AWNINGS



PAKOKIT

The pre-mounted structure consisting in fixing brackets and aluminium box contains

- the tubular motor with pre-installed adapter;
- the roller and cable locking rings to guide cable winding.

**Nice kit for canopy awnings:
tubular motor with mechanical limit stop.**

M size Ø 45 mm.

Simple and practical

Intuitive adjustment of up and down limit positions, thanks to the mechanical limit stop.

Immediately ready for installation, without having to assemble the components.



MODEL	DESCRIPTION	CERTIFICATES
CK28000A0	15 Nm, 17 rpm, 28 kg*	CE

*Lifted weight

TECHNICAL SPECIFICATION

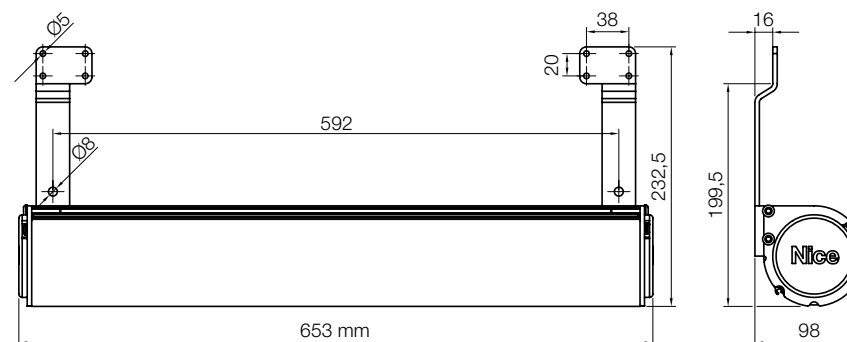
MODEL	CK28000A0
ELECTRICAL SPECIFICATIONS	
POWER SUPPLY (V/Hz)	230 VAC 50 Hz
ABSORPTION (A)	0.75
POWER (W)	170
PERFORMANCE	
TORQUE (Nm)	15
SPEED (rpm)	17
LIFTED WEIGHT* (kg)	28
NO. WINDER CABLES	2 (3 WITH OPTIONAL ACCESSORY)
CONTINUOUS OPERATING TIME (min)	4
DIMENSIONAL DATA	
DIMENSIONS (L) (mm)	568x98x226
WEIGHT (kg)	4.6
PACK DIMENSIONS (mm)	610x260x150

Protection class IP44.

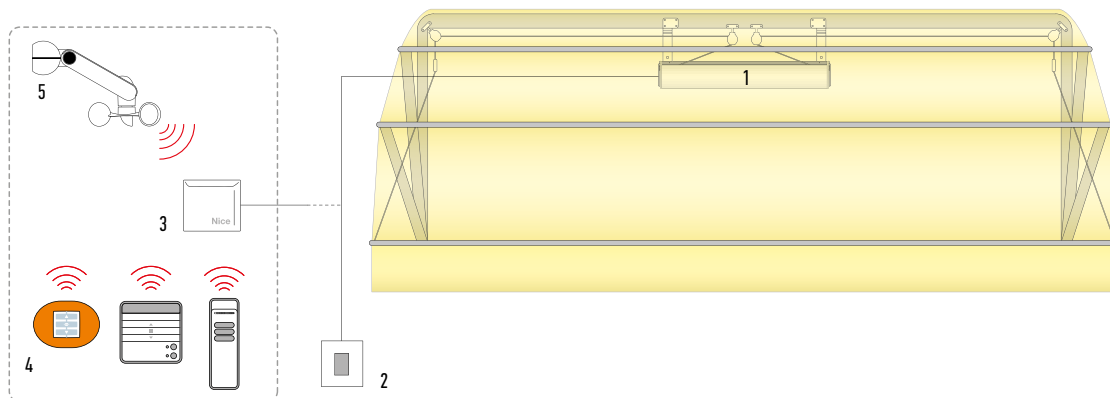
Cable length 2.5 m, 4 wires in cable



DIMENSIONS



INSTALLATION DIAGRAM



EXAMPLE OF WIRED CONNECTION.

1. PAKOKIT WITH TUBULAR MOTOR WITH MECHANICAL LIMIT STOP
2. CABLE CONTROL

EXAMPLE OF RADIO CONNECTION.

1. PAKOKIT WITH TUBULAR MOTOR WITH MECHANICAL LIMIT STOP
3. CONTROL UNIT WITH BUILT-IN RECEIVER
4. RADIO CONTROL
5. NEMO CLIMATIC SENSOR

IDEAL CONTROL SYSTEMS



PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES



CONTROL UNITS FOR SURFACE, CONCEALED OR PASSTHROUGH INSTALLATION.
MINDY, TT1 AND TT2

ACCESSORY



575.11050
LOCKING RING FOR DRIVE CABLES.

PCS./PACK. 1

PAKOKIT E

**Nice kit for canopy awnings:
Tubular motor with electronic limit stop
and built-in receiver.**

M size Ø 45 mm.

Simple programming

Remote programming by transmitter and possibility of pre-programming the limit stop in the factory during the assembly phase, making on-site installation ultra-simple, just press a key to begin the first manoeuvre.

Easy memorising of transmitters without having to connect or access the motor. Remote activation of new transmitters once the first is memorised.

Simple transmitter programming in 2 modes

I (standard)

II (Step-by-Step with a single key).

Simple connection

Possibility of connecting Nemo and Volo S-Radio sensors.

Reliable and precise

The encoder technology guarantees millimetric precision, reliability and maintenance of set values over time.

Safe

The shutter stops and movement is blocked in the event of obstacles.

MODEL	DESCRIPTION	CERTIFICATES
CK28000A2	15 Nm, 17 rpm, 28 kg*	CE

*Lifted weight

TECHNICAL SPECIFICATION

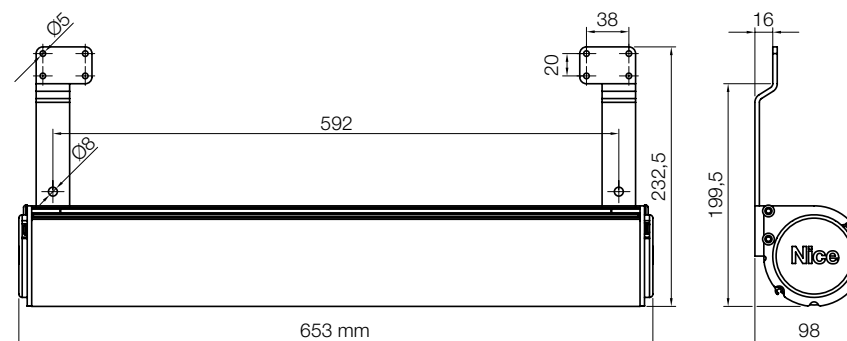
MODEL		CK28000A2
ELECTRICAL SPECIFICATIONS		
POWER SUPPLY (V/Hz)	230 VAC 50 Hz	
ABSORPTION(A)	0.75	
POWER (W)	170	
PERFORMANCE		
TORQUE (Nm)	15	
SPEED (rpm)	17	
LIFTED WEIGHT* (kg)	28	
NO. WINDER CABLES	2 (3 WITH OPTIONAL ACCESSORY)	
CONTINUOUS OPERATING TIME (min)	4	
DIMENSIONAL DATA		
DIMENSIONS (L) (mm)	568x98x226	
WEIGHT (kg)	4.6	
PACK DIMENSIONS (mm)	610x260x150	

Protection class IP44.

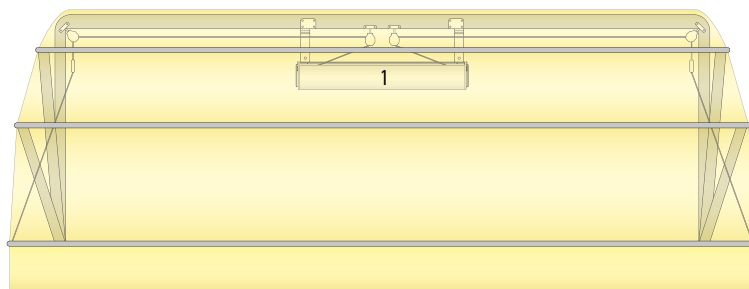
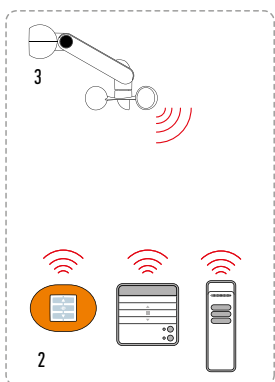
Cable length 2.5 m, 3 wires in cable



DIMENSIONS



INSTALLATION DIAGRAM



EXAMPLE OF RADIO CONNECTION.

1. PAKOKIT E WITH TUBULAR MOTOR WITH ELECTRONIC LIMIT STOP, CONTROL UNIT AND BUILT-IN RECEIVER
2. RADIO CONTROL
3. NEMO CLIMATIC SENSOR

RADIO SYSTEM.

ADVANCED CONTROL UNIT WITH EASY REMOTE PROGRAMMING AND EXCLUSIVE FUNCTIONS. RECEIVER WITH SELF-LEARNING, FREQUENCY 433.92 MHz, ROLLING CODE WITH MORE THAN 4.5 MILLION BILLION COMBINATIONS; COMPATIBLE WITH NICEWAY SERIES TRANSMITTERS AND WITH NEMO AND VOLO S-RADIO CLIMATIC SENSORS.

IDEAL CONTROL SYSTEMS



PORTABLE RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA P SERIES



WALL-MOUNTED RADIO TRANSMITTER TO MANAGE UP TO 6 AUTOMATION GROUPS, INCLUDING WITH SEPARATE ACTIVATION OF CLIMATIC SENSORS.
ERA W SERIES



MINIATURISED TRANSMITTER TO MANAGE UP TO 3 GROUPS IN OPEN-STOP-CLOSE MODE.
ERA MINIWAY SERIES



MODULAR TRANSMITTERS AND WALL-MOUNTED, TABLE-TOP AND PORTABLE SUPPORTS.
NICEWAY SERIES



POSITIONABLE WIND-SUN-RAIN AND WIND-SUN SENSOR FOR OUTDOOR USE.
NEMO SERIES
VOLO SERIES



LIGHT AND LIGHT-TEMPERATURE SENSOR FOR INDOOR USE.
NICEWAY SENSOR SERIES

ACCESSORY



575.11050
LOCKING RING FOR DRIVE CABLES.

PCS./PACK. 1

INDEX OF CONTROL SYSTEMS

TRANSMITTERS

PORTABLE TRANSMITTERS

Multifunction radio transmitter with intuitive graphic interface, (range 200 m in open space and 35 m indoors), To manage up to 99 devices singularly or in groups

ERA P VIEW

ERA P VIEW →

page 138

TOUCHSCREEN

Radio transmission (range 100 m in open space and 20 m indoors), 433.92 - 434.32 MHz rolling code 4.5 million billion combinations

ERA TOUCH

HSTS2EN →

page 140

PORTABLE AND WALL-MOUNTED TRANSMITTERS

Radio transmission (range 200 m in open space and 35 m indoors), 433.92 MHz rolling code 4.5 million billion combinations

ERA P, ERA P VARIO

for 1 automation group

with Sun ON/OFF keys

P1 →

page 142

up to 6 automation groups in single or multigroup mode

with Sun ON/OFF keys

P6 →

page 142

with slider dimmer

for 1 automation group

P1V →

page 142

up to 6 automation groups in single or multigroup mode, with Sun ON/OFF keys

P6SV →

page 142

WALL-MOUNTED RADIO TRANSMITTERS

Radio transmission (range 200 m in open space and 35 m indoors), 433.92 MHz rolling code 4.5 million billion combinations

ERA W

for 1 automation group

with Sun ON/OFF keys

W1 →

page 144

up to 6 automation groups in single or multigroup mode

with Sun ON/OFF keys

W1S →

page 144

W6 →

page 144

W6 →

page 144

MINIATURISED RADIO TRANSMITTERS

Radio transmission (range 200 m in open space and 35 m indoors), 433.92 MHz rolling code
4.5 million billion combinations

ERA MINIWAY

for 1 Open-Stop-Close automation in single or multigroup mode

MW1 →

page 145

for 2 Open-Stop-Close automations in single or multigroup mode

MW2 →

page 145

for 3 Open-Stop-Close automations in single or multigroup mode

MW3 →

page 145

WALL-MOUNTED TIMER

Radio transmission (range 35 m indoors),
433.92 MHz rolling code 4.5 million billion combinations,
can control up to 6 independent channels for 100 events/week.

ERATIME

ERATIME →

page 146

MODULAR CONTROL SYSTEM

Radio transmission (range 200 m in open space and 35 m indoors), 433.92 MHz rolling code
4.5 million billion combinations

NICEWAY

→

page 148

TRANSMITTERS FOR LIGHTS AND ELECTRICAL LOADS

Radio transmission (range 200 m in open space and 35 m indoors), 433.92 MHz rolling code,
4 channels with on-off and dimmer functions

AGIO

portable

white

AG4BW →

page 160

black

AG4BB →

page 160

red

AG4BR →

page 160

with charger base

white

AG4W →

page 160

black

AG4B →

page 160

red

AG4R →

page 160

INDEX OF CONTROL SYSTEMS

SENSORS, CONTROL UNITS AND PROGRAMMERS

INDOOR TEMPERATURE AND LUMINOSITY SENSORS

radio-controlled, battery-powered, LCD display, compatible with all supports in the NiceWay series
NICEWAY SENSOR

Sun-Ambient Light sensor

WMS01S

page 150

Sun-Ambient Light-Temperature sensor

WMS01ST

page 150

OUTDOOR CLIMATIC SENSORS

radio-controlled, including wireless. With adjustable support for fixing
NEMO

powered by built-in photovoltaic cells

Wind-Sun sensor

NEMO WSCT

pag. 152

Sun sensor

NEMO SCT

pag. 152

powered by mains electricity

Wind-Sun-Rain sensor

NEMO WSRT

pag. 153

Sun-Rain sensor

NEMO SRT

pag. 153

OUTDOOR CLIMATIC SENSORS

radio and wired, powered by mains electricity, adjustable fixing support
VOLO

433.92 MHz radio transmission rolling code, 4.5 million billion combinations. Can be memorised in a number of motors and/or control units

Wind-Sun sensor

VOLO S-RADIO

page 155

wired transmission to control a maximum of 5 motors and/or control units

Wind sensor

VOLO

page 154

Wind-Sun sensor

VOLO S

page 154

Wind-Sun sensor with thresholds adjusted by trimmer

VOLO ST

page 146

RADIO-CONTROLLED VIBRATION

WIND DETECTOR,
battery powered
NEMO VIBE

NEMO VIBE

page 156

**CONCEALED
CONTROL SYSTEM
TAG**

trasmittitore da incasso, con alimentazione a batterie	TTX4	page 163	
recessed transmitter powered by mains electricity	TTXB4	page 163	
miniaturised receiver, for wall plate mounting	for 1 230 Vac motor	TT2N	page 164
	for 1 light or 230 Vac load	TT2L	page 164
	for 1 light or 230 Vac load, with internal switching module	TT2D	page 164
	for electrical loads up to 250 W, ON/OFF and DIMMER functions	TTDMS	page 164
miniaturised receiver for passthrough installation	to control motors up to 500 W. 433.92 MHz frequency receiver, rolling code	TT1N	page 165
	for Venetian blinds, to control motors up to 500 W. 433.92 MHz receiver, rolling code	TT1V	page 165
	to control loads at 230 Vac mains voltage with power up to 500 W. 433.92 MHz frequency receiver, rolling code	TT1L	page 165

**SURFACE MOUNTED CONTROL UNITS
with Wind-Sun levels adjustable
by transmitter or trimmer
MINDY TT**

to control 1 motor up to 1000 W. Adjustment of climatic sensors by trimmer	TT3	page 166
to control 1 motor up to 1000 W. 433.92 MHz frequency receiver, rolling code. Adjustment of climatic sensors by trimmer	TT4	page 166
to control 2 synchronised motors up to 600 W. 433.92 MHz receiver, rolling code. Adjustment of climatic sensors by trimmer	TT5	page 166

**PALMTOP PROGRAMMERS
for motors and control units
with TTBUS technology**

	TTP	page 170
with display	OVIEWTT	page 169

**COMMUNICATION
INTERFACE**

TTBus-RS232 and control unit for tubular motors	TT6	page 167
by BTicino Bus and Nice TTBUS	INB	page 168

SIMPLE SOLUTIONS FOR COMPLEX INSTALLATIONS

Nice offers simple safe solutions to manage a large number of automations, lighting points and electrical loads.

MANAGING A "GROUP"

Era Screen transmitters can be used to control single automations, automation groups and multigroups.

To connect a group of similar automations (rolling shutters only, awnings only) to a single key, during programming all the automations you want to activate together must be associated with that key.

For example, when key 5 (associated with roller blinds on the first floor) is selected together with the key associated with the required command (up = ▲, stop = ■, down = ▼), all the roller blinds will be activated simultaneously.

MANAGING MULTIGROUPS

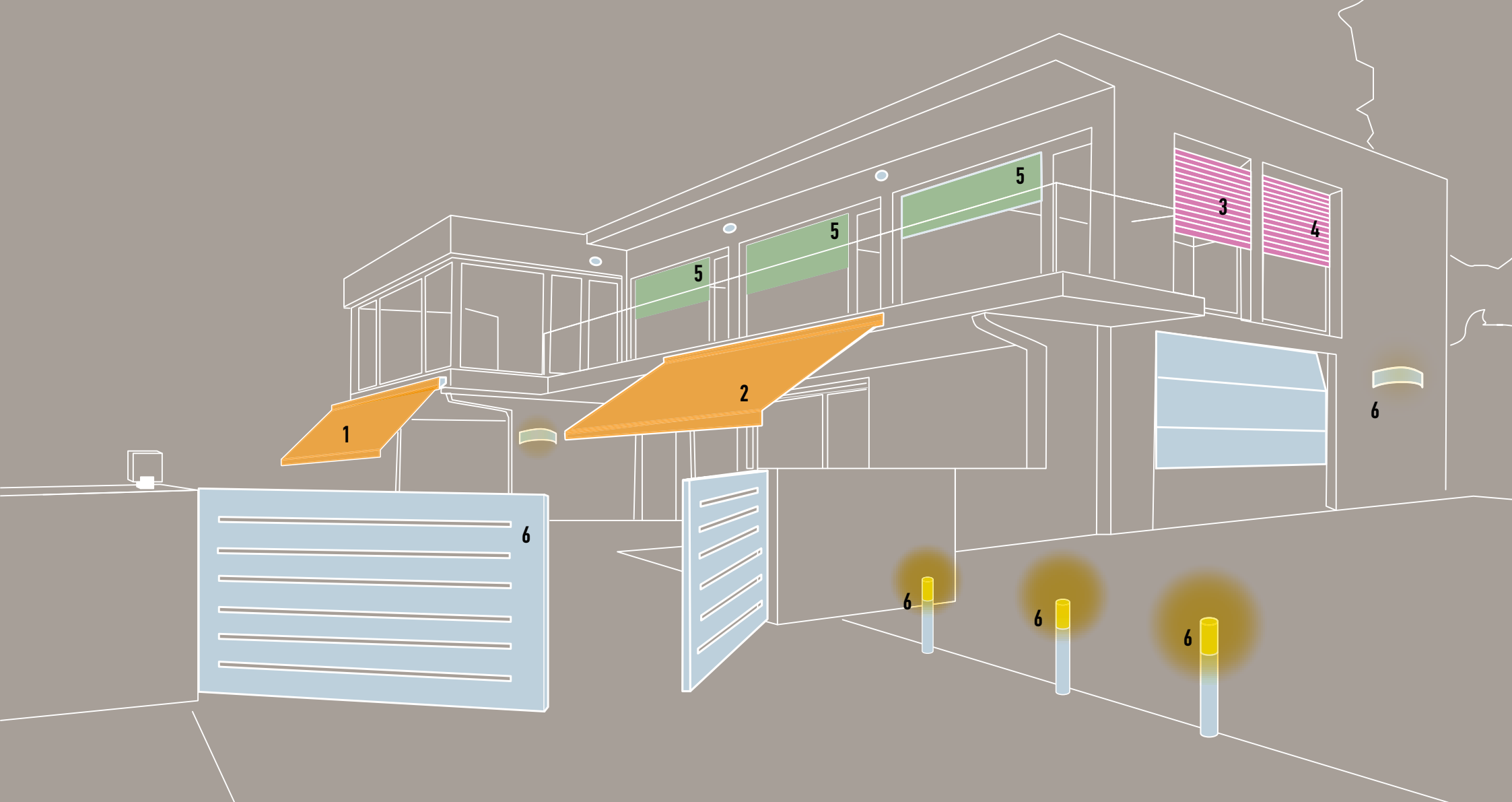
With 6-channel transmitters, groups of different automations (awnings and rolling shutters) can also be created. These are known as "multigroups". For example, if you want to lower all the rolling shutters and roller blinds, select keys 3 and 4 (rolling shutters) and key 5 (roller blinds) plus the down key (▼).

INTEGRATION WITH OTHER SYSTEMS

As well as sunscreens, transmitters in the Era Screen line can also be used to manage outdoor lighting.

For example, if you connect the outdoor lights (for a maximum power of 1000 W/500 VA) to a receiver and a TT2L control unit, you can select one of the keys on the transmitter to control all of them together.





LEGEND

- 1. SINGLE AUTOMATION - AWNING
- 2. SINGLE AUTOMATION - AWNING
- 3. SINGLE AUTOMATION - ROLLING SHUTTER
- 4. SINGLE AUTOMATION - ROLLING SHUTTER
- 5. GROUP - BLINDS
- 6. GROUP - OUTDOOR LIGHTING

ERA P VIEW

Multifunction radio transmitter with intuitive graphic interface, LCD colour screen (2.2") navigation by 5-key joypad.

To manage up to 99 devices singularly or in groups (20 zones, groups or scenarios).

With clock and calendar to configure timed commands.

Advanced programming for professionals!

The installer can access the transmitter and receiver programming and modify and create types and sets of commands. Direct access from first start-up by inserting the batteries or subsequently using the keys on the back of the transmitter.

Easy to use for all requirements: can be used in either simple or advanced mode.

Advanced Users

Can modify the transmitter settings and the labels identifying the devices and create, time, modify and control zones, groups and scenarios. They can also limit access to the advanced menu by a numerical password.

Easy Users

Can simply and directly control a small number of devices pre-authorized by the advanced user. They can consult the dashboard and suspend timed events.

Practical and functional.

If not used for a few seconds, Era P View switches to stand-by to reduce battery consumption. Thanks to the built-in sensors, the device comes on again automatically when removed from the wall support or moved, or if any key is pressed.

USB socket: to recharge the batteries (if rechargeable).

With practical magnetic support for fixing to the wall.



CODE	DESCRIPTION	PCS./PACK.
ERA P VIEW	MULTIFUNCTION RADIO TRANSMITTER WITH INTUITIVE GRAPHIC MULTILINGUAL INTERFACE, TO MANAGE UP TO 99 DEVICES SINGLY OR IN GROUPS	1

TECHNICAL SPECIFICATION

POWER SUPPLY	2 AAA 1.5V ALKALINE BATTERIES
BATTERY LIFETIME	ABOUT 1 YEAR WITH 20 OPERATIONS PER DAY
RADIO CODING	ROLLING CODE
FREQUENCY	433.92 MHz (±100 kHz)
RANGE	ESTIMATED 200 M IN OPEN SPACE AND 35 M INDOORS
USB SOCKET	MICRO USB
OPERATING TEMPERATURE (°C)	-20; +50
PROTECTION CLASS	IP 40
DIMENSIONS (mm)	200x50x15 (WITHOUT WALL SUPPORT)
WEIGHT (g)	140

IMMEDIATE AND INTUITIVE SELECTION OF THE DEVICE TO BE CONTROLLED THANKS TO THE GRAPHIC MULTILINGUAL INTERFACES



ADVANCED USERS: COMPLETE SELECTION MENU TO PROGRAMME AND MANAGE ALL DEVICES



ERA TOUCH

New wireless touchscreen to control Nice automations and manage and programme the NiceHome alarm system.

Can manage all home automations, thanks to remote control of

- a maximum of 99 individual commands, including awnings, rolling shutters and sunscreens, gates, garages and lighting;
- up to 10 groups of commands to manage a number of automations of the same type simultaneously;
- up to 10 single scenarios, to manage different automations, including those associated with the alarm system.

Total management: by using Nice TT2L or TT2D miniaturised control units and/or universal receivers, **lights, irrigation and heating** (convector heaters, etc.) can be controlled.

Specific **scenarios** can also be combined with **event notifications**, for example, to turn on the garden lights and/or close the shutters in the event of an alarm in the garden.

Built-in weekly and hourly timer to control automations, groups and scenarios in time bands.

Simple programming, configuration and control of the alarm system, with built-in vocal guide and bidirectional technology.

Built-in proximity transponder badge reader each individual key can be personalised for user and individual zones.

Thanks to the bidirectional wireless communication with the alarm system, the touchscreen displays alarm system status, indicating the status of each individual zone by means of simple icons.

Four programmable keys to control automations and/or groups and/or scenarios.

Easy to update thanks to the mini-USB connector.



CODE	DESCRIPTION	PCS./PACK.
HSTS2EN	WIRELESS TOUCHSCREEN	1
HSB1	TRANSPONDER BADGE TO MANAGE THE ALARM SYSTEM	10
HSTA1	CHARGER BASE FOR TOUCHSCREEN, COMPLETE WITH RECHARGEABLE BATTERIES	1

ACCESSORIES FOR TOTAL HOME MANAGEMENT

CODE	DESCRIPTION	PCS./PACK.
TT2N	CONTROL UNIT TO CONTROL ONE 230 VAC TUBULAR MOTOR WITH INTEGRATED RADIO RECEIVER	1
TT2L	CONTROL UNIT TO CONTROL 230 VAC LIGHTING INSTALLATIONS WITH INTEGRATED RADIO RECEIVER	1
TT2D	CONTROL UNIT TO CONTROL 230 VAC LIGHTING INSTALLATIONS, WITH BUILT-IN RADIO RECEIVER AND SWITCHING MODULE	1
FLOX2R	UNIVERSAL RECEIVER, 2-CHANNEL WITH BM250 MEMORY	1
SMX2R	UNIVERSAL RECEIVER, 2-CHANNEL, PRE-WIRED, WITH 256 CODE MEMORY	1



TECHNICAL SPECIFICATION

RADIO TRANSMISSION

FREQUENCY (MHz)	433.92 - 434.32
TYPE	DIGITAL BIDIRECTIONAL WITH HSCU2 ALARM SYSTEM
RANGE	100 m IN INTERFERENCE FREE OPEN SPACE, 20 m INDOORS

FUNCTIONS

DISPLAY	3.75" GRAPHIC 240x128 pixel, MONOCHROME BACKLIT
ON BUTTON	YES
CONFIGURABLE GROUPS	10 CONFIGURABLE GROUPS OF SIMILAR AUTOMATIONS (SAME COMMANDS)
SCENARIOS	10 CONFIGURABLE SCENARIOS CHOOSING BETWEEN AUTOMATION COMMANDS AND ALARM ACTIVATION-DEACTIVATION
ON TIMER	10 CONFIGURABLE
LEDS	BLUE - RADIO COMMUNICATION/RED - BATTERY FLAT/ORANGE - CHARGING/GREEN - FULLY CHARGED
FUNCTION KEYS	4 CONFIGURABLE
TRANSPONDER KEY READER	YES
MICROPHONE	YES
LOUDSPEAKER (W)	0.5
VOICE RECORDER	5 MESSAGES FOR A TOTAL OF 120 S
SW UPDATING	YES, VIA MICRO-USB INPUT
MOVEMENT SENSOR	YES
EVENTS LOG	100

POWER SUPPLY

POWER SUPPLY	2 AA 1.5 V ALKALINE BATTERIES SUPPLIED
AUTONOMY	ON AVERAGE MORE THAN A YEAR DEPENDING ON USE
SUPPLEMENTARY POWER SUPPLY	BY HSTA1 CHARGING BASE AND AA RECHARGEABLE BATTERIES CONNECTED TO THE MICRO-USB PORT

SYSTEM

OPERATING TEMPERATURE	+5° C - +40° C (ENVIRONMENTAL CLASS I ACCORDING TO EN50131)
DIMENSIONS (mm)	154x83x20
WEIGHT (g)	250

ERA P ERA P VARIO

NICE LIGHT

Portable radio transmitters to control lights and sunscreens with ON-OFF and dimmer function, plus slider for light control.

1 and 6 channel versions, to manage up to 6 groups in single, group or multigroup mode, **including with separate activation of climatic sensors.**

433.92 MHz, rolling code with self-learning.

User friendly with ergonomic design.

Just a click for the right light at all times.

The **Sun for You** LED-displayed control keys enable and disable reception of the automatic commands transmitted by the climatic sensors in the installation.

Era P Vario with slider for analogue control of the dimmer function.

Easy programming

The same transmitter can be programmed in a number of awnings or rolling shutters to create groups.

The Memo Group function enables the last multigroup to be recalled. New **transmitters can be duplicated remotely and automatically** just by placing the new transmitter next to the one already programmed and pressing a key.

Long autonomy(two AAA 1.5V alkaline batteries).

Long range 200 m in open space, 35 m indoors.





TRANSMITTERS FOR UP-TOGGLE-DOWN/OPEN-STOP-CLOSE MANAGEMENT OF ELECTRICAL LOADS

CODE	DESCRIPTION	PCS./PACK.
P1	PORTABLE TRANSMITTER TO CONTROL 1 ELECTRICAL LOAD SYSTEM OR AUTOMATION GROUP	1
P1S	PORTABLE TRANSMITTER TO CONTROL 1 ELECTRICAL LOAD SYSTEM OR AUTOMATION GROUP, WITH SUN ON/OFF KEYS	1
P6	PORTABLE TRANSMITTER TO CONTROL 6 ELECTRICAL LOAD SYSTEMS OR AUTOMATION GROUPS FOR ACTIVATION IN SINGLE OR MULTIGROUP MODE	1
P6S	PORTABLE TRANSMITTER TO CONTROL 6 ELECTRICAL LOAD SYSTEMS OR AUTOMATION GROUPS FOR ACTIVATION IN SINGLE OR MULTIGROUP MODE, WITH SUN ON/OFF KEYS	1
P1V	PORTABLE TRANSMITTER TO CONTROL 1 ELECTRICAL LOAD SYSTEM WITH SLIDER DIMMER OR 1 AUTOMATION GROUP	1
P6SV	PORTABLE TRANSMITTER TO CONTROL 6 SYSTEMS OF ELECTRICAL LOADS OR AUTOMATION GROUPS FOR ACTIVATION IN SINGLE OR MULTIGROUP MODE, WITH SLIDER DIMMER AND SUN ON/OFF KEYS	1

TECHNICAL SPECIFICATION

POWER SUPPLY (VDC)	ALKALINE BATTERIES - 2 AAA 1.5 V
BATTERY LIFETIME	ABOUT 2 YEARS WITH 10 TRANSMISSIONS PER DAY
FREQUENCY	433.92 MHz ± 100 KHz
PROTECTION CLASS (IP)	40 (USE IN THE HOME OR IN PROTECTED ENVIRONMENTS)
AVERAGE RANGE (m)	ESTIMATED AVERAGE RANGE 200 IN OPEN SPACE, 35 INDOORS
RADIO CODING	ROLLING CODE
OPERATING TEMPERATURE (°C MIN/MAX)	-5 - +55
DIMENSIONS (mm)	49x150x14
WEIGHT (g)	85



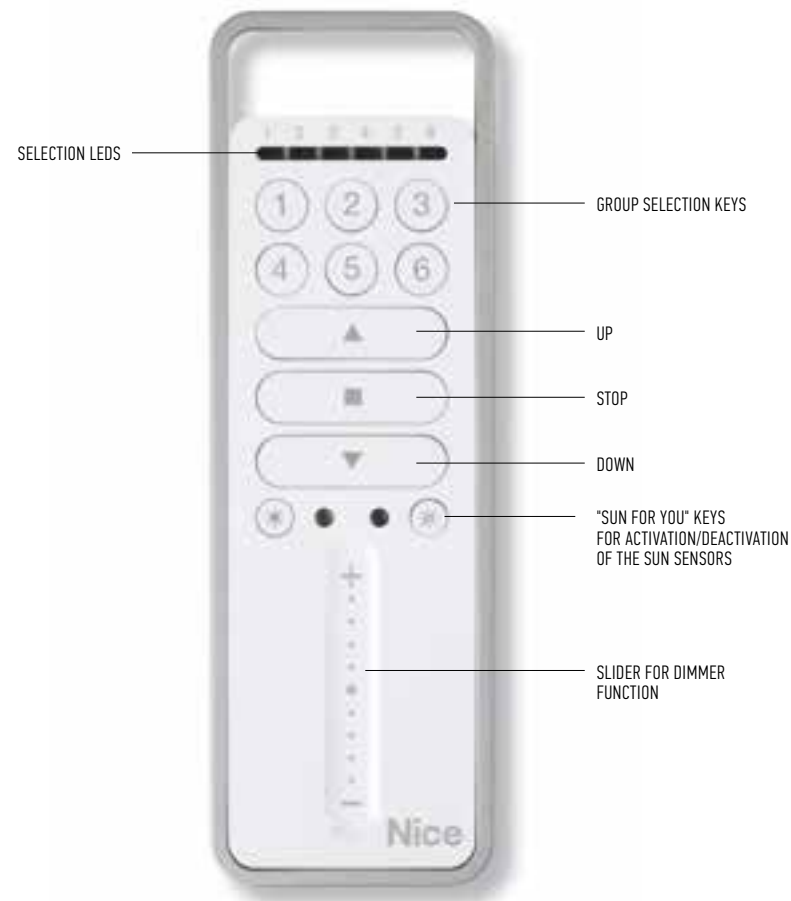
EASY AND AUTOMATIC DUPLICATION BY SIMPLY PLACING THE TWO TRANSMITTERS NEAR EACH OTHER.



INTUITIVE PROGRAMMING PROCEDURE USING THE KEYS ON THE BACK OF THE TRANSMITTER.



HANDY WALL SUPPORT AS STANDARD.



ERA W

Wall-mounted radio transmitters to control sunscreens.

Available in 1 and 6 channel versions to control up to 6 automation groups in single, group, or multigroup mode, including with separate sun sensor activation.

433.92 MHz, rolling code with self-learning.

New design and intuitive use.

Simple management of groups a single transmitter can be memorised in a number of awnings, vertical awnings or rolling shutters to create groups.

The MemoGroup function saves the last automation/group controlled. When a control key (up, stop, down) is selected, the group is recalled without having to select it again.

Easy to programme a simpler alternative programming procedure can be used, thanks to the 2 keys on the back of the transmitter, inside the battery compartment. This function is valid for Era series tubular motors with built-in radio receiver.

Rapid installation and maintenance new transmitters can be duplicated remotely and automatically just by placing the new transmitter next to the one already programmed and pressing a key.

Convenience powered by 2 AAA 1.5 VDC batteries commonly available on the market.

To manage the sun sensor in W1S and W6S versions, thanks to the "Sun for You" function, managed through the Sun On and Sun Off keys, communication with the sun sensors present in the installation (Nemo WSCT, Nemo SCT, Volo-S) can be turned on and off.

Thanks to the two LED indicators corresponding to the "Sun for You" keys, the status (on/off) of the sun sensors for the selected group/automation can be easily ascertained.



TRANSMITTERS FOR UP-TOGGLE-DOWN/OPEN-STOP-CLOSE MANAGEMENT OF ELECTRICAL LOADS

CODE	DESCRIPTION	PCS./PACK.
W1	WALL-MOUNTED TRANSMITTER TO CONTROL 1 ELECTRICAL LOAD SYSTEM OR AUTOMATION GROUP	1
W1S	WALL-MOUNTED TRANSMITTER TO CONTROL 1 ELECTRICAL LOAD SYSTEM OR AUTOMATION GROUP, WITH SUN ON/OFF KEYS	1
W6	WALL-MOUNTED TRANSMITTER TO CONTROL 6 ELECTRICAL LOAD SYSTEMS OR AUTOMATION GROUPS FOR ACTIVATION IN SINGLE OR MULTIGROUP MODE	1
W6S	WALL-MOUNTED TRANSMITTER TO CONTROL 6 ELECTRICAL LOAD SYSTEMS OR AUTOMATION GROUPS FOR ACTIVATION IN SINGLE OR MULTIGROUP MODE, WITH SUN ON/OFF KEYS	1

TECHNICAL SPECIFICATION

POWER SUPPLY (VDC)	2 AAA 1.5 VDC ALKALINE BATTERIES
BATTERY LIFETIME	ESTIMATED 2 YEARS WITH 10 TRANSMISSIONS PER DAY
FREQUENCY	433.92 MHz (±100 kHz)
PROTECTION CLASS (IP)	40 (USE IN THE HOME OR IN PROTECTED ENVIRONMENTS)
AVERAGE RANGE	ESTIMATED 200 m IN OPEN SPACE, 35 m INDOORS
RADIO CODING	ROLLING CODE
OPERATING TEMP. (°C MIN/MAX)	-5°; +55°
DIMENSIONS (mm)	80x80x15
WEIGHT (g)	70



EASY DUPLICATION, JUST PLACE THE TWO TRANSMITTERS NEAR EACH OTHER AND PRESS A KEY.



INTUITIVE PROGRAMMING PROCEDURE USING THE KEYS ON THE BACK OF THE TRANSMITTER.



FULLY CONCEALED WALL SUPPORT INCLUDED IN PACK.

ERA MINIWAY

Miniature radio transmitters for the intuitive control of sun protection systems.

1, 2 and 3 channels to control automations in Open-Stop-Close mode.

433.92 MHz, rolling code with self-learning.

Immediate and **easy to use** thanks to direct control of the group with specific keys.

Long range 200 m in open space, 35 m indoors.



CODE	DESCRIPTION	PCS./PACK.
MW1	PORTABLE TRANSMITTER, ACTIVATES 1 OPEN-STOP-CLOSE AUTOMATION IN SINGLE OR MULTIGROUP MODE	1
MW2	PORTABLE TRANSMITTER, ACTIVATES 2 OPEN-STOP-CLOSE AUTOMATIONS IN SINGLE OR MULTIGROUP MODE	1
MW3	PORTABLE TRANSMITTER, ACTIVATES 3 OPEN-STOP-CLOSE AUTOMATIONS IN SINGLE OR MULTIGROUP MODE	1

TECHNICAL SPECIFICATION

POWER SUPPLY (VDC)	CR2032 3 Vdc LITHIUM BATTERY
BATTERY LIFETIME	ESTIMATED 2 YEARS WITH 10 TRANSMISSIONS PER DAY
FREQUENCY	433.92 MHz ± 100 KHz
ANTENNA IMPEDANCE	ESTIMATED ABOUT 1 mW E.R.P.
PROTECTION CLASS (IP)	40 (USE AT HOME OR IN PROTECTED ENVIRONMENTS)
AVERAGE RANGE (m)	ESTIMATED 200 m; 35 m (INDOORS)
CODING	ROLLING CODE 52 BIT FLOR
OPERATING TEMPERATURE (°C MIN/MAX)	- 20 - + 55
DIMENSIONS (mm)	43x80x11
WEIGHT (g)	16



MW1

MW2

MW3



POSSIBILITY OF WALL MOUNTING USING THE SPECIFIC SUPPORT.

LONG AUTONOMY (3V LITHIUM BATTERY).

SELECTION GUIDE

S SIZE MOTORS Ø 35

M SIZE MOTORS Ø 45

L SIZE MOTORS Ø 56

XL SIZE MOTORS Ø 90

CONTROL SYSTEMS

INSTALLATION GUIDE
AND ALPHABETICAL INDEX

ERA TIME

Ergonomic design, ultra-thin and easy to install

Simple wall fixing with practical concealed support.

433.92 frequency, with 66 bit rolling code (more than 4.5 million billion combinations); self-learning.

Long range 200 m in open space, 25 m indoors.

Autonomy with 2 CR2430 3V 290 mAh lithium batteries.

Radio-controlled weekly and hourly programmer manages up to 6 independent channels for 100 events/week.

Easy daily use even simpler functions and personalisation of selection keys.

Even more intuitive use thanks to the low consumption LCD graphic display with display of date, time, movement, status and functions. Immediate access to settings menus.



CODE	DESCRIPTION	PCS./PACK.
ERATIME	WALL-MOUNTED RADIO-CONTROLLED TIMER, WITH LCD GRAPHIC DISPLAY. MANAGES UP TO 6 INDEPENDENT CHANNELS FOR 100 EVENTS/WEEK	1

TECHNICAL SPECIFICATION

POWER SUPPLY (BATTERY LIFETIME)	6 V WITH 2 CR2430 LITHIUM BATTERIES (2 YEARS WITH 10 EVENTS/DAY)
FREQUENCY	433.92 MHz ± 100 KHz
RADIATED POWER	ESTIMATED ABOUT 1 mW
PROTECTION CLASS (IP)	40
ESTIMATED RANGE (m)	200 m IN OPEN SPACE, 25 m INDOORS
CODING	66 BIT, 4.5 MILLION BILLION COMBINATIONS
CLOCK RESOLUTION	1 MINUTE
CLOCK PRECISION	± 150 seconds/year
NO. EVENTS MEMORISABLE	100/WEEK
OPERATING TEMPERATURE (°C MIN. MAX.)	+5 ÷ +35
DIMENSIONS (mm)	80x80x12 h
WEIGHT (g)	75

A GREAT MANY PRACTICAL FUNCTIONS AT YOUR FINGERTIPS:

1. "Planetary time":

automatically follows variations in sunset and sunrise times, simply by entering the name of the nearest city. Sunrise and sunset times change as the year goes by. You can always wake up with the right light and close the rolling shutters or raise the awnings at sunset, without having to reprogramme the event to adapt to the new times;

2. Easy selection of automatic/manual operating mode:

automatic performance of events can be temporarily interrupted, enabling you to action them manually at your orders;

3. "Sun ON/OFF":

enables/disables the sun sensor, allowing you to choose which of the connected automations should react to variations in the light. This function is also present in transmitters in the Era P Series (P1S, P6S, P6SV), the Era W series (W1S, W6S) and NiceWay;

4. "MemoGroup":

lets you simultaneously or independently control up to 6 automation groups to activate a number of motors together, enabling you to associate particular functions with some of them: for example, activating the "planetary clock" function for rolling shutters in the sleeping area only and the "on holiday" function for windows facing the street;

5. "On holiday":

random opening and closing within an established time band to simulate someone in the house while you are away from home and thus discourage attempted break-in.



NICEWAY

Modular control systems via radio to manage the Nice range of automations for awnings, rolling shutters, gates and garage doors from every point in the home.

Modular

The NiceWay system is based on a series of transmitter modules which can be inserted on five different types of support to create a diversified range of made-to-measure solutions.

Available in 1 to 80 group or 240 channel versions, the modules are ultra-compact and very easy to operate.

Advanced and compatible

433.92 MHz frequency, with 52 bit rolling code (more than 4.5 million billion combinations); self-learning. Long autonomy (3V lithium battery).

Nice Design




To protect the electronic parts from dirt and damp, the rubber function keys are incorporated in the actual body of the control modules. NiceWay can be used anywhere in the home, in the garage, the living room, the kitchen or the bathroom.

TECHNICAL SPECIFICATION

POWER SUPPLY (VDC)	3V WITH 1 CR2032 LITHIUM BATTERY
BATTERY LIFETIME	> 2 YEARS WITH 10 TRANSMISSIONS PER DAY
FREQUENCY	433.92 MHz ± 100 KHz
RADIATED POWER	ESTIMATED ABOUT 1 mW
PROTECTION CLASS (IP)	40
ESTIMATED RANGE (m)	200 m IN OPEN SPACE, 35 m INDOORS
CODING	52 BIT ROLLING CODE
OPERATING TEMPERATURE (°C MIN/MAX)	-20 ÷ +55
DIMENSIONS (mm)	41x41x10
WEIGHT (g)	14

The heart of the NiceWay system

1, 3, 6 and 9 channel modules to control automations singly or in groups of awnings, rolling shutters, rolling doors, gates, garage and industrial doors, road barrier systems and irrigation and lighting systems.






MODULE	CODE	DESCRIPTION	PCS./PACK.
STEP-BY-STEP CONTROL MODULES			
	WM001C	1 CHANNEL MODULE TO CONTROL 1 AUTOMATION	10
	WM003C	3 CHANNEL MODULE TO CONTROL 3 AUTOMATIONS	1
	WM009C	9 CHANNEL MODULE TO CONTROL 9 AUTOMATIONS	1

Memorising of radio controls in Mode II ON/OFF - HOLD TO RUN - TIMER1 - TIMER2 (for products in the Screen line MODE II programming)



HYBRID MODULE FOR STEP-BY-STEP AND OPEN-STOP-CLOSE CONTROLS

	WM003C1G	MODULE TO CONTROL 3 STEP-BY-STEP AUTOMATIONS AND 1 OPEN-STOP-CLOSE AUTOMATION	1
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MODULES WITH OPEN-STOP-CLOSE CONTROL

	WM001G	MODULE TO CONTROL 1 OPEN-STOP-CLOSE AUTOMATION IN SINGLE OR MULTIGROUP MODE	1
	WM002G	MODULE TO CONTROL 2 OPEN-STOP-CLOSE AUTOMATIONS IN SINGLE OR MULTIGROUP MODE	1
	WM003G	MODULE TO CONTROL 3 OPEN-STOP-CLOSE AUTOMATION GROUPS IN SINGLE OR MULTIGROUP MODE	1
	WM006G	MODULE TO CONTROL 6 OPEN-STOP-CLOSE AUTOMATION GROUPS IN SINGLE OR MULTIGROUP MODE	1
	WM004G	MODULE TO CONTROL 4 OPEN-STOP-CLOSE AUTOMATIONS IN SINGLE OR MULTIGROUP MODE PLUS ON/OFF CONTROL OF SUN SENSOR	1

MULTI-CHANNEL DISPLAY MODULES

	WM080G	MODULE FOR OPEN-STOP-CLOSE CONTROL OF 80 AUTOMATIONS IN SINGLE OR MULTIGROUP MODE PLUS ON/OFF CONTROL OF SUN SENSOR	1
	WM240C	MODULE FOR STEP-BY-STEP CONTROL OF 240 AUTOMATIONS IN SINGLE OR MULTIGROUP MODE	1

STONE



WEW



WEO

CODE	DESCRIPTION	PCS./PACK.
WEW	SHOCKPROOF TABLE-TOP SUPPORT, WHITE	10
WEO	SHOCKPROOF TABLE-TOP SUPPORT, ORANGE	10

ONDO



WAX



WWW

CODE	DESCRIPTION	PCS./PACK.
WAX	TABLE-TOP SUPPORT IN WHITE PLASTIC AND BLUE ICE RUBBER	10
WWW	MAGNETIC WALL FIXING FOR WAX	10

OPLA



WSW, WRW



WSB, WRB



WSA, WRA



WSG, WRG



WST, WRT



WSS, WRS

CODE	DESCRIPTION	PCS./PACK.
WSW	SQUARE WALL PLATE, WHITE	10
WSB	SQUARE WALL PLATE, BLACK	10
WSA	SQUARE WALL PLATE, ALUMINIUM	10
WSG	SQUARE WALL PLATE, GRAPHITE	10
WST	SQUARE WALL PLATE, NEUTRAL TRANSPARENT	10
WSS	SQUARE WALL PLATE, WATER GREEN	10

CODE	DESCRIPTION	PCS./PACK.
WRW	RECTANGULAR WALL PLATE, WHITE	10
WRB	RECTANGULAR WALL PLATE, BLACK	10
WRA	RECTANGULAR WALL PLATE, ALUMINIUM	10
WRG	RECTANGULAR WALL PLATE, GRAPHITE	10
WRT	RECTANGULAR WALL PLATE, NEUTRAL TRANSPARENT	10
WRS	RECTANGULAR WALL PLATE, WATER GREEN	10

GO



WCF



WCG



WCI



WCO

CODE	DESCRIPTION	PCS./PACK.
WCF	MINI COVER, FERN GREEN	10
WCG	MINI COVER, GRAPHITE	10
WCI	MINI COVER, ICE BLUE	10
WCO	MINI COVER, ORANGE	10

NICEWAY SENSOR

Radio-controlled sun, temperature and internal luminosity sensor.

Opens and closes the automated sun screens to regulate the level of ambient lighting.

Comfort + environmental friendliness = Savings

The NiceWay Sensor is ideal for improving the thermal efficiency of the house, reducing the effects of sunlight in hot climates and taking maximum advantage of it in cold climates, thus saving energy and reducing pollutant emissions.

The NiceWay Sensor **measures luminosity**, ignoring peak values caused for example by people's shadows or rapidly moving clouds.

The NiceWay Sensor **can control the opening of shutters and sun awnings** so as to maintain the level of sunlight or ambient lighting within the desired limits. It automatically sends closure commands if the light is too strong or opening commands if the light is too weak. The WMS01ST model can regulate ambient temperature by controlling the movement of the automation on the basis of the temperature measured in the room.

Two versions! WMS01S, with "Sun" + "Ambient Light" sensor
WMS01ST with "Sun" + "Ambient Light" + "Temperature" sensor.

Compatible with all Nice motors.

For installation anywhere on the window, using the transparent support provided, or anywhere in the room. The NiceWay Sensor is compatible with all NiceWay series supports.

Ultra-simple to programme and use

128x49 px graphic display with intuitive icon menu, 5 selectable languages and display of both measured and set values.

Operating modes

Window-mounting the sensor positioned on the window measures light exclusively through the rear detector, which is oriented towards the outside, automatically controlling the opening/closing, or just the closing, movements of the screening device.

Wall-mounted or stand-on installation

the sensor positioned inside the room detects the luminosity from the front only and therefore considers the actual lighting, including possible artificial light.

It can therefore send commands when direct light reaches or moves away from the area of the room where it is positioned.

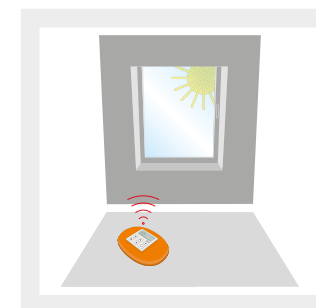
The "Demo" mode facilitates configuration and testing by converting the reaction time from the normal default setting of minutes into seconds to obtain an immediate response from the NiceWay Sensor.

Stand-by mode and manual control with immediate adaptation of the sensor's operation.

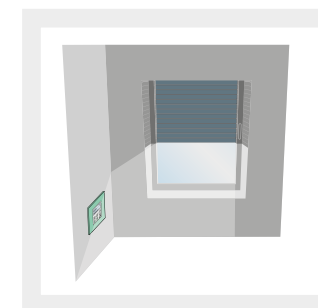
Twilight switch function (WMS01ST).



1. APPLYING TO GLASS TRANSPARENT SUCTION SUPPORT AS STANDARD TO APPLY TO WINDOW GLASS

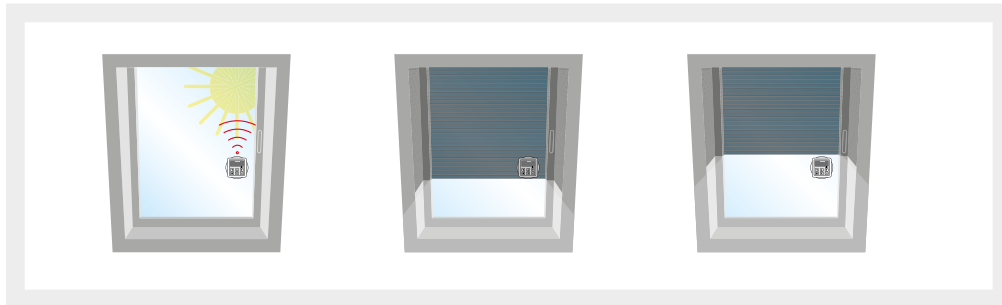


2. STAND-ON APPLICATION CAN BE INSERTED IN ALL NICEWAY LINE SUPPORTS (TABLE-TOP, WALL-MOUNTED) TO REGULATE LUMINOSITY IN SPECIFIC ZONES IN ROOMS



3. WALL-MOUNTING

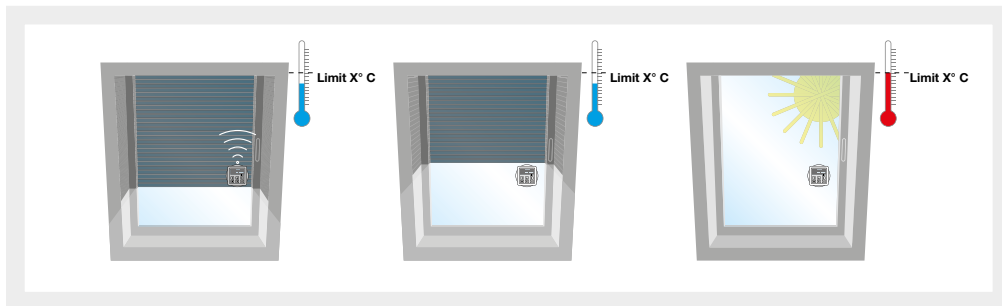
CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
WMS01S	SUN-AMBIENT SENSOR. SUCTION SUPPORT SUPPLIED	1	CE
WMS01ST	SUN-AMBIENT-TEMPERATURE SENSOR. SUCTION SUPPORT SUPPLIED	1	CE



LIGHT SENSOR VERSION

THE SUCTION SUPPORT ENABLES IT TO BE ATTACHED TO THE WINDOW AT A SPECIFIC HEIGHT. THE SENSOR DETECTS THE LEVEL OF INTERNAL LUMINOSITY, COMPARES IT WITH THE SET LUMINOSITY VALUE AND AUTOMATICALLY ADJUSTS THE SHUTTER OPENING OR CLOSING ACCORDINGLY.

FOR INSTANCE, WHEN THE LUMINOSITY EXCEEDS THE MAXIMUM SET THRESHOLD, THE SENSOR LOWERS THE AUTOMATIONS (AWNINGS OR SHUTTERS) UNTIL THE SENSOR IS SHADED. ONCE THE SENSOR IS IN THE SHADE, THE SHUTTER RISES UNTIL IT IS IN THE LIGHT AGAIN, ENABLING IT TO KEEP MONITORING THE LUMINOSITY LEVEL.



LIGHT + TEMPERATURE SENSOR VERSION

THE TEMPERATURE YOU WANT IN THE ROOM CAN BE SET BY EXPLOITING THE LUMINOSITY AND HEATING EFFECT OF THE SUN.

FOR EXAMPLE, IN WINTER MODE, IF THE TEMPERATURE DROPS BELOW THE SET LEVEL AND THERE IS SUN OUTSIDE, THE SENSOR AUTOMATICALLY RAISES THE ROLLING SHUTTERS OR AWNINGS TO ALLOW LIGHT TO ENTER AND RADIATE THE ROOM AND VICE VERSA.

TECHNICAL SPECIFICATION

CODE	WMS01S	WMS01ST
POWER SUPPLY (Vdc)	3V WITH 1 CR2032 LITHIUM BATTERY	
BATTERY LIFETIME	> 1 YEAR WITH 2 ACTIVATIONS AND 10 COMMANDS PER DAY	
GRAPHIC DISPLAY	128x49 PIXEL	
FREQUENCY	433.92 MHz ± 100 KHz	
CODING	52 BIT ROLLING CODE	
RADIATED POWER	ESTIMATED ABOUT 1 mW	
AVERAGE RANGE	ESTIMATED 200 m IN OPEN SPACE, 35 m INDOORS	
LIGHT SENSOR SPECIFICATIONS		
MEASUREMENT RANGE (klux)	0.05 - 50	
THRESHOLD SETTING (klux)	1 - 40	
TEMPERATURE SENSOR SPECIFICATIONS		
MEASUREMENT RANGE (°C)	-	-10 - +50
THRESHOLD SETTING (°C)	-	0 - +40
PROTECTION CLASS (IP)	40	
OPERATING TEMPERATURE (°C MIN/MAX)	-20 ÷ +55	
DIMENSIONS (mm)	41x41x12	
WEIGHT (g)	18	

CLIMATIC SENSORS

Climatic sensors, reliable and precise.

They manage awning movement completely independently according to the climatic and ambient conditions detected.



NEMO WSCT/SCT



Radio-controlled Wind-Sun and Sun sensor, powered by built-in photovoltaic cells.

Available in two versions

- with "Wind-Sun" sensor;
- with "Sun" sensor.

No connection

the sensor is powered by sunlight and communicates via radio with the control unit which controls movement of the shutters according to the pulses received.

Energy saving

thanks to the free and clean solar energy.

Unlimited autonomy

the sensor is powered by photovoltaic cells, providing a reserve of energy and guaranteeing optimum safe management of the automation according to the weather conditions detected.

Immediately ready for use no advance charging required.

Programming in linear mode, trimmer adjustment of activation thresholds: "Wind" up to 80 km/h and "Sun" up to 60 klux.

Simple memorisation of settings in the control unit by means of the practical built-in pushbutton.

When the trimmers are set to the test threshold, operation of the Sun-Wind sensors can be verified without the need to simulate the presence of atmospheric events.

Optimised sensitivity to vertical air currents.

Innovative control and indicator system

an LED (green and red; lit, off or flashing) provides information on sensor status (set threshold exceeded, malfunctions etc.).

Nemo is compatible with

- Nice tubular motors with built-in receiver;
- control units with built-in receiver.



NEMO WSRT/SRT



Radio-controlled Wind-Sun-Rain and Sun-Rain sensor, powered by mains electricity.

Available in two versions

- with "Wind-Sun-Rain" sensor;
- with "Sun-Rain" sensor.

Extended duration thanks to the latest generation built-in sensor, in Teflon-coated ceramic to ensure exceptional resistance to atmospheric agents.

Practical thanks to automatic calibration of the sensor, which adapts to the various ambient conditions.

Safe and reliable, the built-in heating element avoids misinterpretations of weather conditions caused by the build-up of humidity.

The sensor is powered by mains electricity and communicates via radio with the control unit which controls movement of the shutters according to the pulses received.

Simple installation and wiring thanks to the terminal board integrated in the fixing base and the quick connector.

Programmable in linear mode, trimmer adjustment of activation thresholds: "Wind" up to 80 km/h and "Sun" up to 60 klux.

The rain sensor requires no adjustment (on-off).

Simple memorisation of settings by means of the practical built-in pushbutton. When the trimmers are set to the test threshold, operation of the Sun-Wind sensors can be verified without the need to simulate the presence of atmospheric events.

Optimised sensitivity to vertical air currents.

Innovative control and indicator system an LED (green and red; lit, off or flashing) provides information on sensor status (set threshold exceeded, malfunctions etc.).

Nemo is compatible with

- Nice tubular motors with built-in receiver;
- control units with built-in receiver.

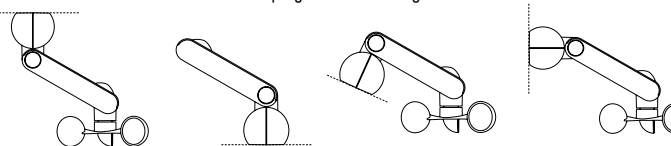


CODE	DESCRIPTION
NEMO WSCT	RADIO-CONTROLLED WIND-SUN SENSOR, POWERED BY BUILT-IN PHOTOVOLTAIC CELLS
NEMO SCT	RADIO-CONTROLLED SUN SENSOR, POWERED BY BUILT-IN PHOTOVOLTAIC CELLS
NEMO WSRT	RADIO-CONTROLLED WIND-SUN-RAIN SENSOR, POWERED BY MAINS ELECTRICITY
NEMO SRT	RADIO-CONTROLLED SUN-RAIN SENSOR, POWERED BY MAINS ELECTRICITY

N.B. Nemo may not be compatible with motors produced before June 2004

ADJUSTABLE

Nemo can be installed on surfaces sloping at different angles



TECHNICAL SPECIFICATION

CODE	NEMO WSCT	NEMO SCT	NEMO WSRT	NEMO SRT
POWERED BY BUILT-IN PHOTOVOLTAIC CELLS (MWP)	64			-
POWERED BY MAINS ELECTRICITY (VAC 50/60 Hz)	-		120/230	
TRANSMISSION FREQUENCY (MHz)	433.92 WITH BUILT-IN ANTENNA			
RADIO CODING	TTS (COMPATIBLE WITH ERA P, ERGO, PLANO, NICEWAY TRANSMITTERS)			
RADIATED POWER (mW)	ABOUT 1			
RANGE	100 m IN OPEN SPACE; 20 m INDOORS			
PROTECTION CLASS (IP)	44			
OPERATING TEMPERATURE (°C MIN/MAX)	-20 ÷ +55			
DIMENSIONS (mm)	60x229x151 h	60x288x105 h	60x229x151 h	60x288x105 h
WEIGHT (g)	250	230	400	380

TECHNICAL SPECIFICATIONS

CODE	NEMO WSCT	NEMO SCT	NEMO WSRT	NEMO SRT
WIND SENSOR				
MEASUREMENT RANGE (km/h)	0 - 125	-	0 - 125	-
RESOLUTION (km/h)	1	-	1	-
THRESHOLD SETTING (km/h)	5 - 80	-	5 - 80	-
PRE-ALARM	AFTER 24 HOURS WITHOUT WIND	-	AFTER 24 HOURS WITHOUT WIND	-
SUN SENSOR				
MEASUREMENT RANGE (klux)	3 - 80			
RESOLUTION (klux)	1			
THRESHOLD SETTING (klux)	5 - 60			
PRE-ALARM	AFTER 24 HOURS WITHOUT VARIATIONS IN THE LIGHT			
RAIN SENSOR				
MEASUREMENT RANGE	-		ON-OFF	
PRE-ALARM	-		AFTER 30 DAYS WITHOUT RAIN	

VOLO, VOLO S/ST



Volo Wind sensor and Volo S Wind-Sun sensor, via Nice TTBUS.

Each sensor can control up to 5 control units or motors with on-board control unit connected in parallel.

Very practical

Adjustable support for fixing to surfaces with any slope.

Advanced

"Wind" threshold programmable on 3 levels: 15, 30 or 45 Km/h;
"Sun" threshold on 3 levels: 15, 30 or 45 KLux, plus a fourth level settable in self-learning.

Volo ST, Wind-Sun sensor via Nice TTBUS with trimmer adjustment of activation thresholds.

Programming in linear mode

Adjustment of activation thresholds:

"Wind" up to 60 km/h and "Sun" up to 60 KLux.

Each sensor can control up to 5 control units or motors with on-board control unit connected in parallel, synchronising opening or closing.

Innovative control and indicator system:

a two-colour LED (green and red; lit, off or flashing) provides the user with information on sensor status (set threshold exceeded, malfunctions etc.).

The "Sun" sensor can be disabled by a switch.



CODE	DESCRIPTION	PCS./PACK.
VOLO	WIND SENSOR VIA TTBUS INTERFACEABLE WITH TTP PROGRAMMER. "WIND" THRESHOLD PROGRAMMABLE ON 3 PRESET LEVELS	1
VOLO S	WIND-SUN SENSOR VIA TTBUS, INTERFACEABLE WITH TTP PROGRAMMER. "WIND" THRESHOLD PROGRAMMABLE ON 3 PRESET LEVELS, "SUN" THRESHOLD PROGRAMMABLE ON 3 PRESET LEVELS PLUS ONE SETTABLE IN SELF-LEARNING	1
VOLO ST	WIND-SUN SENSOR WITH TRIMMER ADJUSTMENT OF "WIND" AND "SUN" THRESHOLDS VIA TTBUS	1

TECHNICAL SPECIFICATION

CODE	VOLO	VOLO S	VOLO ST
POWER SUPPLY (VAC/Hz)	via TTBUS		
PROTECTION CLASS (IP)	44		
LEVELS WIND SENSOR (Km/h)	15, 30, 45		from 5 to 80
LEVELS SUN SENSOR (KLux)	-	15, 30, 45 + SELF-LEARNING	from 0 to 64
OPERATING TEMPERATURE (°C MIN. MAX.)	-20 ÷ +55		
DIMENSIONS (mm)	120x215x85		
WEIGHT (g)	180	200	250

VOLO S-RADIO



Radio-controlled Wind-Sun sensor.
Simple and quick to install: just connect to a 230 VAC line and fix with two screws; no other connections required.

433.92 frequency, with rolling code (more than 4.5 million billion combinations); self-learning.

Range: 200 m in open space.

Easy memorising

Programmable like any transmitter by means of a single key. The procedure is guided by acoustic signals. Indication of the transmission type during operation: at each event transmission, the anemometer provides information via LED.



Very practical

Adjustable support for fixing to surfaces with any slope.
 High sensitivity to the wind, with spherical movements.

Advanced

"Wind" threshold programmable on 5 levels: 5, 10, 15, 30 or 45 Km/h; "Sun" threshold on 5 levels: 2, 5, 10, 20 or 40 KLux, plus a fourth level settable in self-learning.

Programmable exclusion of Sun sensor.

Volo S-Radio is compatible with:

- Nice tubular motors with control unit and built-in receiver;
- control units with built-in receiver.

CODE	DESCRIPTION	PCS./PACK.
VOLO S-RADIO	RADIO-CONTROLLED WIND-SUN SENSOR INTERFACEABLE WITH TTP PROGRAMMER. "WIND" THRESHOLD PROGRAMMABLE ON 5 PRESET LEVELS, "SUN" THRESHOLD PROGRAMMABLE ON 5 PRESET LEVELS PLUS ONE SETTABLE IN SELF-LEARNING	1

TECHNICAL SPECIFICATION

CODE	VOLO S-RADIO
POWER SUPPLY (VAC/Hz)	230 / 50-60
TRANSMISSION FREQUENCY (MHz)	433.92
PROTECTION CLASS (IP)	44
LEVELS WIND SENSOR (Km/h)	5, 10, 15, 30, 45
LEVELS SUN SENSOR (KLux)	2, 5, 10, 20, 40 + SELF-LEARNING
OPERATING TEMPERATURE (°C MIN. MAX.)	-20 ÷ +55
DIMENSIONS (mm)	120x215x85
WEIGHT (g)	250

SELECTION GUIDE

S SIZE MOTORS Ø 35

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CONTROL SYSTEMS

INSTALLATION GUIDE
AND ALPHABETICAL INDEX

NEMO VIBE



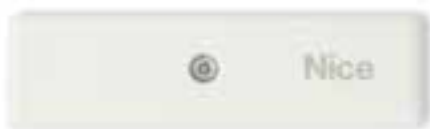
Radio-controlled Wind sensor for awnings with arms, with built-in radio transmitter. Protects outdoor awnings from the wind.

Practical and safe:

The radio-controlled wireless sensor provides real time detection of the vibrations generated in the awning by the wind.

If the value exceeds the activation threshold set, the sensor transmits a radio signal to the motor receiver which retracts the awning and protects it.

Versatile, for all types of awnings with arms and various environmental conditions thanks to the possibility of adjusting sensitivity to the wind intuitively via trimmer.

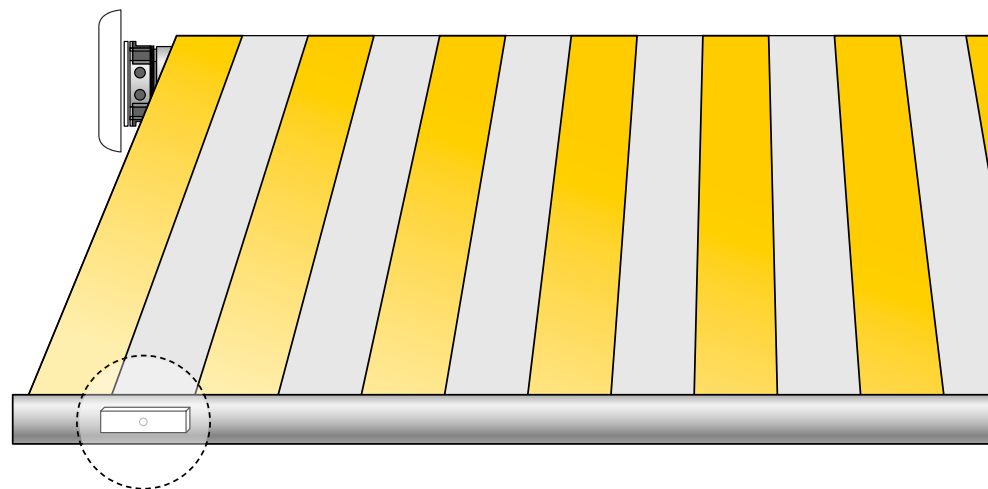


Simple, quick and inconspicuous installation.

Nemo Vibe is applied with just two screws on the terminal bar of the awning.

No visual impact, no wires or other devices visible on the wall.

No connection, the sensor is battery powered (AA).



RECOMMENDED POSITION FOR OPTIMUM OPERATION.
PRACTICAL AND INCONSPICUOUS APPLICATION.

CODE	DESCRIPTION	PCS./PACK.
NEMOVIBE	RADIO-CONTROLLED WIND SENSOR, BATTERY-POWERED	1

TECHNICAL SPECIFICATION

POWER SUPPLY	2 AA LR03 BATTERIES
BATTERY LIFETIME	ABOUT 2 YEARS
FREQUENCY	433.92 MHz (±100 kHz)
OPERATING TEMPERATURE (°C MIN/MAX)	-20 ÷ +60
RANGE	ESTIMATED 200 m (OUTDOORS)
PROTECTION CLASS (IP)	44
DIMENSIONS (mm)	130x36x22.5 h
WEIGHT (g)	170





CONTAGIO (EVIDENCES MITTER)



THE NICE LIGHT SYSTEM

THE LIGHT RIGHT AT EVERY TIME
OF DAY

Nice Light cannot only turn any lighting appliance on remotely and adjust brightness, it can also control the opening of sunscreens, thus guaranteeing total management of the artificial and natural light sources present in the building.

A complete and modular light control system:

- portable controllers;
- controllers for wall plates;
- radio-controlled dimmers;
- concealed control units, transmitters and receivers (TAG system).

Possibility to manage any electrical load, meaning the gate, the entrance door and garage door can be opened from anywhere in the home or garden.

AGIO

Portable transmitter to control lights and electrical loads, with on-off and dimmer functions,, plus memorising of the preferred lighting level on each of the 4 radio channels.

From a single point, it can activate all types of lamp and motorised screening system, such as solar screens, awnings, rolling shutters, Venetian blinds and sun shades.

ABS and polycarbonate body in 3 colours with a glossy finish: traffic white (RAL 9016), deep black (RAL 9005) and crimson red (RAL 3002).

For night use, the keys of Agio light up when you place your hand near and as soon as you hold it in your hand, the handy emergency spot light concealed on the bottom lights up automatically.

The table-top or wall-mounted charger base works on induction: just rest the Agio on the base and it will always be charged for hours and hours of operation.



Agio, developed in collaboration with FontanaArte





CODE	DESCRIPTION	PCS./PACK.	CERTIFICATES
AG4BW	PORTABLE TRANSMITTER TO CONTROL LIGHTS AND ELECTRICAL LOADS, WHITE	1	CE
AG4BB	PORTABLE TRANSMITTER TO CONTROL LIGHTS AND ELECTRICAL LOADS, BLACK	1	CE
AG4BR	PORTABLE TRANSMITTER TO CONTROL LIGHTS AND ELECTRICAL LOADS, RED	1	CE
AG4W	PORTABLE TRANSMITTER TO CONTROL LIGHTS AND ELECTRICAL LOADS, WHITE (WITH CHARGER BASE)	1	CE
AG4B	PORTABLE TRANSMITTER TO CONTROL LIGHTS AND ELECTRICAL LOADS, BLACK (WITH CHARGER BASE)	1	CE
AG4R	PORTABLE TRANSMITTER TO CONTROL LIGHTS AND ELECTRICAL LOADS, RED (WITH CHARGER BASE)	1	CE



TECHNICAL SPECIFICATION

TRANSMITTERS

CODE	AG4BW / AG4BB / AG4BR	AG4W / AG4B / AG4R
POWER SUPPLY	2 AA 1.5 V ALKALINE BATTERIES	2 AA1.2 V ALKALINE RECHARGEABLE BATTERIES WITH INDUCTION CHARGER BASE INCLUDED
BATTERY LIFETIME	ABOUT 2 YEARS	ABOUT 2 YEARS, EXCLUDING CONSUMPTION - BUILT-IN COURTESY LIGHT
FREQUENCY	433.92 MHz ± 100 KHz	
NUMBER OF CHANNELS	4	
FUNCTION KEYS	3	
SLIDER	CIRCULAR	
COURTESY LIGHT	-	1
RADIATED POWER	ESTIMATED ABOUT 1 mW	
PROTECTION CLASS (IP)	40	
ESTIMATED RANGE (m)	200 M IN OPEN SPACE, 35 M INDOORS	
CODING	52 BIT ROLLING CODE	
OPERATING TEMPERATURE (°C MIN/MAX)	-20° ÷ +55°	
DIMENSIONS (mm)	88x97x26	
WEIGHT (g)	140	150
COLOURS	WHITE RAL 9016, BLACK RAL 9005, RED RAL 3002	
FINISH	GLOSSY	

CHARGER BASE

POWER SUPPLY	-	5 VOLT (WITH 220 VAC - 5 VDC 1.2 AMPS POWER SUPPLY PROVIDED)
PROTECTION CLASS (IP)	-	40
ACCESSORIES	-	USB PORT FOR CHARGING MOBILE DEVICES UP TO 850 mA (SMARTPHONE, TABLET)
OPERATING TEMPERATURE (°C MIN/MAX)	-	-20° /+55°
DIMENSIONS (mm)	-	88x97x26
WEIGHT (g)	-	110 (EXCLUDING POWER SUPPLY)
COLOURS	-	WHITE RAL 9016, BLACK RAL 9005, RED RAL 3002
FINISH	-	GLOSSY



Portable transmitter



Table-top transmitter with charger base



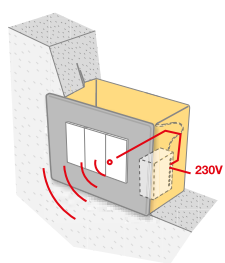
Wall-mounted transmitter with charger base

TAG SYSTEM

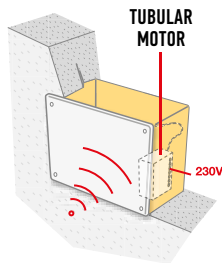
Nice Tag system, the simple solution of universal miniaturised control units and concealed transmitters for practical wireless management of shutters, awnings, lighting and electrical loads up to 500 W not reachable directly by wire.

Ideal for renovations and upgrades to existing systems, the units can be installed inside commonly available wall plates and in tight spaces.

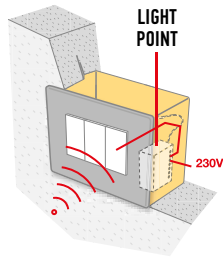
No need to replace the existing automation system; no building work required.



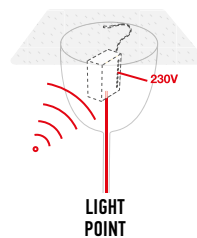
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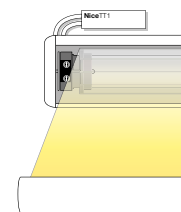
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3



4



5

1. Recessed transmitters, model **TTX4** with mains power supply, and **TTX4B**, battery-powered. Ideal for controlling automations not reachable directly by wire.

2. **TT2N** radio receiver and control unit to control one 230 VAC motor, up to 500 W.

3. **TT2L** radio receiver and control unit for lighting systems. **TT2D** radio receiver and control unit to control lighting systems from a number of points, with built-in switching module.

4. Built-in **TTDMS** radio receiver for electrical loads up to 250 W, on/off and dimmer functions.

5. **Mindy TT1** miniaturised radio receivers and control units, IP 55, for awnings, rolling shutters, lighting systems and irrigation pumps.



The invisible touch, it's there but you can't see it

The miniaturised control units **disappear behind classic wall plates**, allowing **quick and easy installation** and ensuring maximum safety and precision in the connections to all the system components.
Extremely compact dimensions.



Easy to install and program

No building work, no wired connections and no need to plan the electronic wiring.
Intuitive programming using the programming button and LED fitted on the miniaturised control units.
Savings in time and costs.



Perfect for every need

Simple individual or centralised automation management. Possibility to comfortably control the entire system using portable wall-mounted radio transmitters, or mains powered wall-mounted controllers.
An additional control point can be created by connecting the miniaturised control unit via cable to the existing wall switch.

TAG SYSTEM TTX4, TTXB4

TTX4, with mains power supply and TTXB4, with long battery life power.

Optional connection of up to 4 pushbuttons for cable control of automations.

Recessed transmitter ideal for the control of automations not directly accessible from cable controls.

433.92 MHz frequency, with 52 bit rolling code (over 4.5 million of billion combinations).

CODE	DESCRIPTION	PC/PACK
TTX4	RECESSED TRANSMITTER, 4 CHANNELS, WITH MAINS POWER	1
TTXB4	RECESSED TRANSMITTER, 4 CHANNELS, WITH LONG BATTERY LIFE POWER	1

TECHNICAL SPECIFICATIONS

CODE	TTX4	TTXB4
POWER SUPPLY	120 or 230 Vac, 50/60 Hz; (limits 100 ÷ 255 V)	3 Vdc; lithium battery type CR2032
CARRIER FREQUENCY	433,92 MHz ± 100 KHz	
ESTIMATED RANGE	35 m INDOORS	
CODING	52 BIT DIGITAL (4.5 MILION BILLION COMBINATIONS)	
PROTECTION RATING (IP)	20	
WORKING TEMP. (°C MIN/MAX)	-20° ÷ +55°	
DIMENSIONS (mm)	18x33x40 h	



TAG SYSTEM TT2/TTDMS

Mindy TT, miniaturised recessed radio receivers and control units compatible with Nice transmitters in the Era and NiceWay series.

Protection class IP20.

CODE	DESCRIPTION	PCS./PACK.
TT2N	RADIO RECEIVER AND CONTROL UNIT TO CONTROL ONE 230 Vac MOTOR	1
TT2L	RADIO RECEIVER AND CONTROL UNIT TO CONTROL 230 Vac LIGHTING SYSTEMS	1
TT2D	RADIO RECEIVER AND CONTROL UNIT TO CONTROL 230 Vac LIGHTING SYSTEMS WITH BUILT-IN SWITCHING MODULE	1
TTDMS	RECESSED CONTROL UNIT WITH BUILT-IN RADIO RECEIVER FOR ELECTRICAL LOADS UP TO 250 W, ON/OFF AND DIMMER FUNCTIONS	1

TECHNICAL SPECIFICATION

CODE	TT2N	TT2L	TT2D	TTDMS
POWER SUPPLY (Vac/Hz)	120 or 230 Vac, 50/60 Hz; (LIMITS 100 - 255 V)			230 Vac, ±10% 50 Hz
MAXIMUM MOTOR POWER	500 VA PER Vn = 230 V, 600 VA PER Vn = 120 V	1000 W / 500 VA PER Vn = 230 V, 600 W / 600 VA PER Vn = 120 V		
MAXIMUM POWER OF CONTROLLED LOAD	-	-	250 W / 200 VA	
TYPE OF LIGHT SOURCE (WITH 230 VAC INPUT POWER ±150%, 50 Hz)	-	-	INCANDESCENT, HALOGEN; ADJUSTABLE: LED AND NEON	
MAXIMUM ABSORPTION (EXCLUDING ABSORPTION OF CONTROLLED LOAD)	-	-	< 500 MW IN STANDBY	
PROTECTION CLASS (IP)	20			
MANOEUVRE DURATION (sec)	4-240 S (DEFAULT ABOUT 150 S)	1 S - 9 H (DEFAULT TIMER1= 1 MIN, TIMER2= 10 MIN)	-	
LEVELS WIND SENSOR (Km/h)	5, 10, 15, 30, 45 VOLO S-RADIO	-	-	
LEVELS SUN SENSOR (KLux)	2, 5, 10, 20, 40 + SELF-LRN. VOLO S-RADIO	5, 10, 15, 30, 45 VOLO S-RADIO	-	
PROGRAMMABLE FUNCTIONS (Mode I)	UP - STOP - DOWN - MAN PRESENT DOWN	ON-OFF	-	
PROGRAMMABLE FUNCTIONS (Mode II)	STEP-BY-STEP - UP STOP - DOWN STOP - STOP - MAN PRESENT DOWN - MAN PRESENT UP	ON - OFF - MAN PRESENT - TIMER1 - TIMER2	-	
OPERATING TEMPERATURE (°C MIN/MAX)	-20 ÷ +55			
DIMENSIONS (mm) / WEIGHT (g)	40x18x32 / 20			47x18x32 / 30
TAG SERIES RADIO RECEIVER	TT2N	TT2L	TT2D	TTDMS
FREQUENCY (MHz)	433.92			-
RADIO COMPATIBILITY WITH	ERA, NICEWAY			-
RANGE TRANSMITTERS AND CLIMATIC SENSORS	ESTIMATED 150 m IN OPEN SPACE, 20 m INDOORS			-

Maximum flexibility can memorise up to 30 transmitters in Mode I and Mode II.

Fast programming thanks to the programming button. An LED indicator helps the user follow the correct programming procedure, for example indicating when the set thresholds of the climatic sensor are exceeded.

Can be connected to Nemo and Volo S-Radio climatic sensors.

TT2N, radio receiver and control unit to control 1 230 Vac motor up to 500 W.

Possibility of memorising up to 30 transmitters in Mode I: UP - STOP - DOWN - MAN PRESENT DOWN
Mode II: STEP-BY-STEP - UP STOP - DOWN STOP - STOP - MAN PRESENT DOWN - MAN PRESENT UP.

Possibility of connecting a pushbutton for wired control with STEP-BY-STEP - ALWAYS UP - ALWAYS DOWN mode.

TTDMS, mains electricity powered lamp dimmer with built-in radio receiver.

For electrical loads up to 250 W.

Possibility of memorising up to 30 transmitters in Mode I: DIMMER UP - TOGGLE - DIMMER DOWN
Mode II: Personalised programming

An external pushbutton can be connected to turn the lamp on and off and adjust light intensity.

TT2L, radio receiver and control unit for lighting systems.

To control loads at 230 Vac mains voltage with power up to 1000W / 500 VA.

Simplified electrical connection thanks to the switch connected directly to the power supply.

Possibility of memorising up to 30 transmitters in Mode I: ON - OFF
Mode II: ON/OFF - HOLD TO RUN - TIMER1 - TIMER2.

Connection to the Volo S-Radio climatic sensor enables lights to be turned on and off by means of the "Sun" sensor.

Timer programmable from a minimum of 0.5" to a maximum of about 9 hours; optimised programming procedure, maintenance of set values even during power failure.

Possibility of connecting a switch for wired control in ON/OFF mode.

TT2D, radio receiver and control unit to control lighting installations from a number of points, with built-in switching module.

To control loads at 230 Vac mains voltage with power up to 1000W / 500 VA.

Possibility of memorising up to 30 transmitters in Mode I: ON - OFF
Mode II: ON/OFF - HOLD TO RUN - TIMER1 - TIMER2.

Connection to the Volo S-Radio climatic sensor enables lights to be turned on and off by means of the "Sun" sensor.

Timer programmable from a minimum of 0.5" to a maximum of about 9 hours; optimised programming procedure, maintenance of set values even during power failure.

Possibility of connecting a switch for wired control in ON/OFF mode.



TT2N



TT2L



TT2D



TT1 TAG SYSTEM

Built-in 433.92 MHz radio receiver with more than 4.5 million billion combinations.

Self-learning of Era and NiceWay series transmitters and NiceWay Sensor, Nemo, Nemo Vibe, and Volo S-Radio climatic sensors.

Mindy TT1 miniaturised radio receivers and control units with passthrough installation.

Protection class IP55.

CODE	DESCRIPTION
TT1N	433.92 MHz FREQUENCY RECEIVER, ROLLING CODE. TO CONTROL MOTORS UP TO 500 W
TT1V	433.92 MHz FREQUENCY RECEIVER, ROLLING CODE. FOR VENETIAN BLINDS. TO CONTROL MOTORS UP TO 500 W
TT1L	433.92 MHz FREQUENCY RECEIVER, ROLLING CODE. TO CONTROL LOADS AT 230 Vac MAINS VOLTAGE WITH POWER UP TO 500 W

TECHNICAL SPECIFICATION

CODE	TT1N	TT1V	TT1L
POWER SUPPLY (Vac/Hz)		230/50	
MAXIMUM MOTOR POWER		500 W / 400 VA	
PROTECTION CLASS (IP)		55	
MANOEUVRE DURATION (sec)		PROG. 4-250	TIMER1 TIMER2 FROM 0.5" TO 540"
LEVELS WIND SENSOR (Km/h)	5, 10, 15, 30, 45	VOLO S-RADIO	-
LEVELS SUN SENSOR (KLux)	2, 5, 10, 20, 40	+ SELF-LEARNING VOLO S-RADIO	-
PROGRAMMABLE FUNCTIONS (Mode I)		UP - STOP - DOWN	-
PROGRAMMABLE FUNCTIONS (Mode II)		STEP-BY-STEP - UP ONLY DOWN ONLY - STOP	ON - OFF - MAN PRESENT - TIMER1 - TIMER2
OPERATING TEMPERATURE (°C MIN/MAX)		-20 ÷ +55	
DIMENSIONS (mm) / WEIGHT (g)		98x26x20 / 45	
TAG SERIES RADIO RECEIVER	TT1N	TT1V	TT1L
Frequency (MHz)		433.92	
RADIO COMPATIBILITY WITH		ERA, NICEWAY	
RANGE TRANSMITTERS AND CLIMATIC SENSORS		ESTIMATED 200 m IN OPEN SPACE, 35 m INDOORS	

TT1N for awnings and rolling shutters.

For motors up to 500 W. Memorises up to 30 transmitters.

Maximum flexibility in controlling the motor with 2 transmitter memorisation modes:

Mode I: UP - STOP - DOWN;
Mode II: STEP-BY-STEP - UP ONLY DOWN ONLY - STOP.

Internal terminal board.

Controls the new Nemo and Volo S-Radio climatic sensors for synchronised commands.

Working time can be programmed from a minimum of 4 seconds to a maximum of 4 minutes.

TT1V for Venetian blinds

If the command is active for less than 2 seconds, the motor is activated for the duration of the command only and adjusts the slant of the Venetian blind; if the command is active for longer, the complete opening or closing manoeuvre is activated.

Memorises up to 30 transmitters.

Maximum flexibility in controlling the motor with 2 transmitter memorisation modes:

Mode I: UP - STOP - DOWN;
Mode II: STEP-BY-STEP - UP ONLY DOWN ONLY - STOP.

Internal terminal board.

Controls the new Nemo and Volo S-Radio climatic sensors for synchronised commands.

Working time can be programmed from a minimum of 4 seconds to a maximum of 4 minutes.

TT1L for lighting systems, irrigation pumps, etc.

To control loads at 230 VAC mains voltage with power up to 500 W.

Memorises up to 30 transmitters.

Internal terminal board.

Controls a max. of 2 timers for automatic turn-off.

Maximum control flexibility with 2 transmitter memorisation modes:
Mode I: ON - OFF with separate keys;
Mode II: ON - OFF - MAN PRESENT - TIMER.

Timer can be programmed from a minimum of 0.5" to a maximum of about 9 hours.



MINDY TT

Versions with or without built-in 433.92 MHz radio receiver with more than 4.5 million billion combinations.

Self-learning of Era and NiceWay, Nemo and Volo S-Radio climatic sensors.

Surface mounted control units with Wind-Sun levels adjustable by transmitter or trimmer, protection class IP44.

CODE

TT3	CONTROL UNIT TO CONTROL 1 MOTOR UP TO 1000 W. PROTECTION CLASS IP44. ADJUSTMENT OF CLIMATIC SENSORS BY TRIMMER
TT4	CONTROL UNIT TO CONTROL 1 MOTOR UP TO 1000 W. PROTECTION CLASS IP44. 433.92 MHz FREQUENCY RECEIVER, ROLLING CODE. ADJUSTMENT OF CLIMATIC SENSORS BY TRIMMER
TT5	CONTROL UNIT TO CONTROL 2 SYNCHRONISED MOTORS UP TO 600 W. PROTECTION CLASS IP44. 433.92 MHz FREQUENCY RECEIVER, ROLLING CODE. ADJUSTMENT OF CLIMATIC SENSORS BY TRIMMER

TECHNICAL SPECIFICATION

CODE	TT5	TT4	TT3
POWER SUPPLY (Vac/Hz)		230/50	
MAXIMUM MOTOR POWER (W)	2x600		1000
SIGNAL VOLTAGE (STEP-BY-STEP, SENSORS)		ABOUT 24 VDC	
PROTECTION CLASS (IP)		44	
MANOEUVRE DURATION (sec)		150	
LEVELS WIND SENSOR (Km/h)		ADJUSTABLE BY TRIMMER FROM 5 TO 60	
LEVELS SUN SENSOR (KLux)		ADJUSTABLE BY TRIMMER FROM 5 TO 60	
OPERATING TEMPERATURE (°C MIN. MAX.)		-20 ÷ +55	
LENGTH SIGNAL WIRES (STEP-BY-STEP, SENSORS)		MAXIMUM 30 m IF NEAR OTHER WIRES, OTHERWISE 100 m	
DIMENSIONS (mm)		128x111x43.5	
WEIGHT (g)	400		340

* If necessary, use VOLO S

MINDY TT SERIES RADIO RECEIVER

	TT5	TT4	-
Frequency (MHz)		433.92	
CODING		52 BIT ROLLING CODE	
RANGE OF ERGO AND PLANO TRANSMITTERS AND VOLO SENSORS		ESTIMATED 200 m IN OPEN SPACE, 35 m INDOORS	

TT3

For 1 motor up to 1000 W.

Trimmer for Volo climatic sensors; wind speed adjustment from 5 to 60 km/h and light from 5 to 60 klux. LED diagnostics. Wired connection to climatic sensors. (each sensor can control up to 5 control units)

Possibility of defining the direction of movement (opening and closing) of the application when the rain sensor is activated.

Separate terminals for UP and DOWN or STEP-BY-STEP commands. Enabling/disabling of STOP function during the manoeuvre.

TT4

With built-in receiver, for 1 motor up to 1000 W.

Can memorise up to 30 transmitters without having to connect to or access the motor. Allows remote activation of new transmitters once the first is memorised.

Trimmer for climatic sensors; wind speed adjustment from 5 to 60 km/h and light from 5 to 60 klux. LED diagnostics.

Wired and radio connection to climatic sensors.

Possibility of defining the direction of movement (opening and closing) of the application when the rain sensor is activated.

Separate terminals for UP and DOWN or STEP-BY-STEP commands. Enabling/disabling of STOP function during the manoeuvre.

TT5

With built in receiver, for 2 motors up to 600 W, synchronised on the same axis or on different axes with simultaneous command, but each with its own limit stop.

Can memorise up to 30 transmitters without having to connect to or access the motor. Allows remote activation of new transmitters once the first is memorised.

Trimmer for climatic sensors; wind speed adjustment from 5 to 60 km/h and light from 5 to 60 klux. LED diagnostics.

Wired and radio connection to climatic sensors.

Possibility of defining the direction of movement (opening and closing) of the application when the rain sensor is activated.

Separate terminals for UP and DOWN or STEP-BY-STEP commands. Enabling/disabling of STOP function during the manoeuvre.



MINDY TT6

Possibility of managing and displaying the status of **up to 8 Nice motors** equipped with TTBUS technology by communication through the RS232 port, and **one motor with mechanical limit stop** (also through external pushbuttons).

Activation of preset scenarios by means of the external **Trigger** input.

Possibility of creating and managing programmed scenarios.

Communication interface and control unit with built-in receiver for communication between the system and programmed scenario management.

The **TT6 control unit with built-in receiver** is a **communications interface** between the Nice TTBUS system and an external control system, communicating by means of the RS232 serial port to manage Nice tubular motors in automation systems for sun awnings, roller shutters, roller blinds and screening devices and to control video projection screens.

The TT6 allows PC-PLC systems to communicate using the RS232 port.



CODE	DESCRIPTION	PCS./PACK.
TT6	TTBUS-RS232 INTERFACE AND CONTROL UNIT FOR TUBULAR MOTORS	1

TECHNICAL SPECIFICATION

POWER SUPPLY (Vac/Hz)	110 - 240 Vac 50/60 Hz
MAXIMUM ABSORBED CURRENT	80 MA IN STAND-BY, 3A AT MAXIMUM LOAD
FREQUENCY	433.92 MHz
ANTENNA IMPEDANCE	52 ohm
SENSITIVITY	MORE THAN 0.5 µV FOR SUCCESSFUL SIGNAL
PROTECTION CLASS (IP)	40 (WITH UNDAMAGED CASE)
AVERAGE RANGE	ESTIMATED 200 m IN OPEN SPACE AND 35 m INDOORS
NO. TRANSMITTERS MEMORISABLE	30
OUTPUT	1 OUTPUT FOR PILOTING A TWO-PHASE MOTOR
CONTACT RATING	3A - 250V
CODING	FLOR (ROLLING CODE)
OPERATING TEMPERATURE (°C MIN/MAX)	- 20; + 55
DIMENSIONS (mm)	128x112x43
WEIGHT (g)	260

MYHOME BTICINO INB

INB, the handy Nice interface enabling communication between Nice Bus (TTBus and BusT4) systems and the BTicino MyHome (SCS) system.

Nice has created an integrated system able to dialogue with all devices controlling functions in the home, via simple pushbuttons or latest generation BTicino touchscreens, allowing:

- control of up to four Nice automations **for gates and garage doors** with motors and/or control units fitted with BusT4 technology, or **awnings and rolling shutters** with tubular motors fitted with Nice TTBus technology;
- control of lighting, heating, sound diffusion, security and communication.

Total integration between the systems guarantees:

- **reduced installation and maintenance times** thanks to the creation of a single Nice-BTicino system;
- **ease of installation** INB can be installed in any junction box thanks to its compact dimensions;
- **modular system with provision for expansion** without the need for further building work and more rational wiring: additional devices can easily be integrated without laying new cables and using a single supervision device;
- **maximum flexibility and safety:** within the Bus network, each device is uniquely identified by assigning a specific address during programming. This enables each device to be distinguished from the others in the same "TTBus" network or "BusT4" network connected to the same interface.
To add further devices later, each one can simply be assigned a free address, connected to the Bus, and configured via Nice palmtop programmers. Practical connections via terminals and connectors;
- **compatible with a wide range** of Nice motors (TTBus / BusT4) equipped with Opera technology for total freedom of choice.

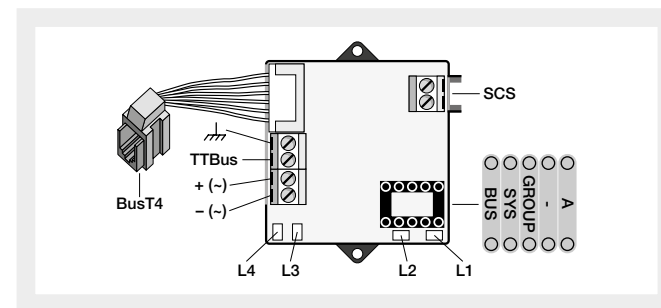


CODE	DESCRIPTION	PCS./PACK.
INB	COMMUNICATION INTERFACE BETWEEN BTICINO BUS (SCS) AND NICE BUS (TTBUS AND BUST4)	1

CODE	DESCRIPTION	PCS./PACK.
OVIEWTT	CONTROL, PROGRAMMING AND DIAGNOSTICS UNIT FOR DEVICES WITH TTBUS CONNECTION	1

TECHNICAL SPECIFICATION

POWER SUPPLY	FROM BUST4, OR 24 Vac/Vdc (LIMITS 20 - 35 Vdc, 22 - 35 Vac)
CONSUMPTION	ABOUT 18 MA
INSULATION	CLASS III
PROTECTION CLASS (IP)	20
OPERATING TEMPERATURE (°C MIN/MAX)	-20 ÷ +50
DIMENSIONS (mm)	41x52x18 h



OVIEWTT

O-VIEW TT

Palmtop programmer with display for motors and control units with Nice TTBUS technology.

Easy programming of rolling shutter and sun awning automation systems.

The O-View TT automatically recognises the control unit and thus the automation system to which it is connected and displays its typical parameters, thus avoiding the need to identify the device, for maximum speed and convenience.

With O-View TT, the motor can be programmed according to the type of awning, rolling shutter or Venetian blind automation system and specific configurations can be created with just a few simple steps.



Guided installation configuration

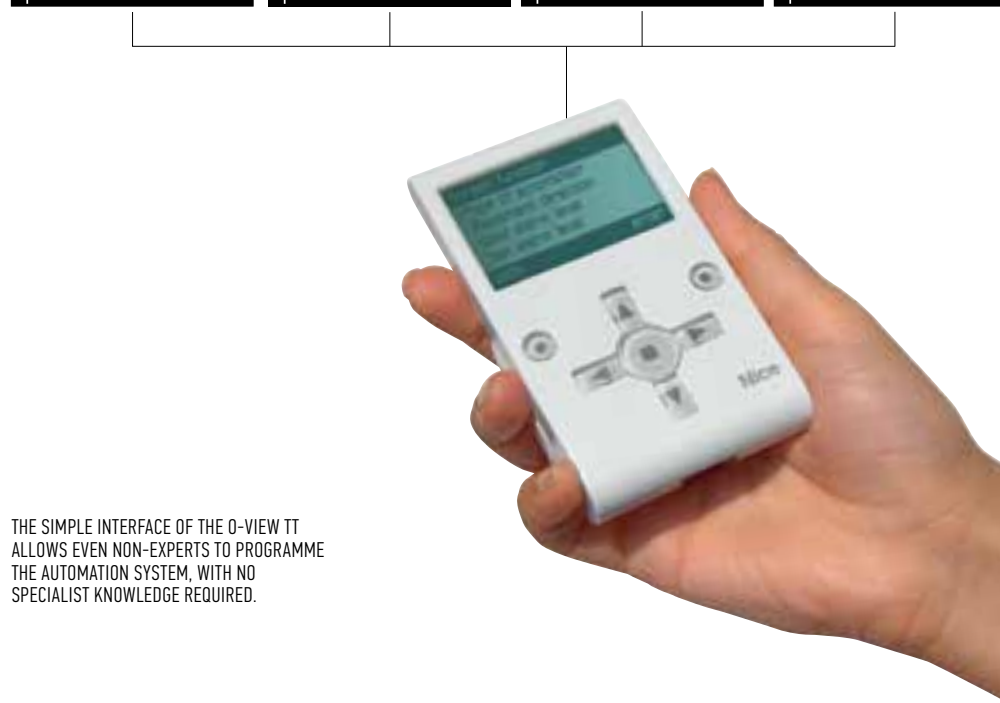
adjustment of the electronic limit stops and motor rotation direction, regulation of torque reduction and memorisation of the transmitters and radio-controlled Nemo and Volo sensors. The settings made appear on the LCD screen for instantaneous checking of the parameters set.

The intuitive graphic interface allows even non-experts to programme the automation system.

The O-View TT allows the settings made to be saved for future copying, avoiding the need to repeat the sequence for each subsequent automation, ensuring **accuracy and time-saving**, particularly with complex installations with a large number of automations.

The O-View TT also manages the memories of the radio-controlled Nemo and Volo sensors, allowing setting of Sun-Wind trigger levels and sun sensor activation/deactivation in VOLO and VOLO S models.

CODE	DESCRIPTION	CERTIFICATES
OVVIEWTT	CONTROL AND PROGRAMMING UNIT FOR MOTORS AND CONTROL UNITS WITH TTBUS, POWERED BY RECHARGEABLE BATTERIES. COMPLETE WITH CONNECTION CABLES.	CE
ALA1	BATTERY CHARGER FOR O-VIEW TT	



THE SIMPLE INTERFACE OF THE O-VIEW TT ALLOWS EVEN NON-EXPERTS TO PROGRAMME THE AUTOMATION SYSTEM, WITH NO SPECIALIST KNOWLEDGE REQUIRED.

TECHNICAL SPECIFICATION

GRAPHIC INTERFACE	128x64 DOTS LCD DISPLAY (46x29 mm); 2.2"
OPERATOR INPUT DEVICE	5 + 2 KEY JOYPAD
DISPLAY/KEY LIGHTING	WHITE LIGHT
CONNECTION CABLES (SUPPLIED)	1x1 m FOR TTBUS, 1x2 m FOR BUST4
POWER SUPPLY	RECHARGEABLE BATTERY
INSULATION	CLASS III
PROTECTION CLASS OF CASE (IP)	20
OPERATING TEMPERATURE (°C MIN/MAX)	-20 ÷ +55
DIMENSIONS (mm)	107x62x25
WEIGHT (g)	150

TTP

Palmtop programmer for Era Mat and Era Plus motors with Nice TTBUS technology and for Mindy TT0, TT3, TT4, TT5 and TT6 control units.

Time savings and incomparable precision

TTP simplifies management of rolling shutter and sun awning automation systems: programming is simple, by memorising the settings then copying them without repeating the sequence for each new automation.

Simple direct programming of

- electronic limit stops;
- motor rotation direction;
- Sun/Wind activation levels;
- direction on activation of the rain sensor;
- sun sensor ON/OFF;
- enabling/inhibition of torque reduction.

Simple management of transmitters

- immediate activation of a transmitter;
- cancellation of one or all transmitters;
- activation of climatic sensors via radio.

Simple cancellation of the memory and resetting to default configurations.

"Macro" function to copy the settings to a number of motors.

Firmware update via PC.



CODE	DESCRIPTION
TTP	PALMTOP PROGRAMMER FOR ERA MAT AND ERA PLUS MOTORS AND MINDY TT0, TT3, TT4, TT5 AND TT6 CONTROL UNITS VIA TTBUS
B1,2V2.4315	PAIR OF RECHARGEABLE BATTERIES FOR TTP
ALA1	BATTERY CHARGER

TECHNICAL SPECIFICATION

BATTERY POWER (Vdc)	2 AA BATTERIES
POWER SUPPLY WITH ALA1 (Vac/Hz)	230/50
PC INTERFACE	RS232
OPERATING TEMPERATURE (°C MIN/MAX)	-20 ÷ +50
DIMENSIONS (mm)	155x95x29
WEIGHT (g)	200

ACCESSORIES FOR AUTOMATING GARAGE DOORS AND ROLLING DOORS

Surface mounted control units, particularly suitable for garages and small rolling doors.



CODE

A01	TO CONTROL ONE MOTOR WITHOUT AUTOMATIC CLOSING WITH BUILT-IN RADIO RECEIVER, IP44
A02	TO CONTROL ONE MOTOR WITH SEMI-AUTOMATIC AND AUTOMATIC CLOSING, OUTPUT FOR FLASHING LIGHT AND BUILT-IN RADIO RECEIVER, IP44

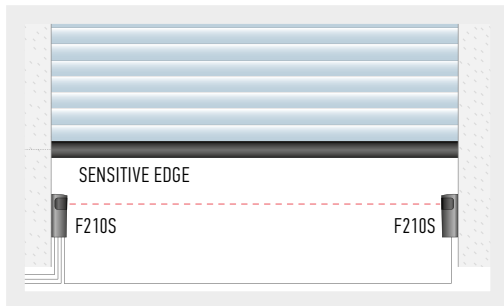
ATTENTION TO SAFETY

Synchronised photocells, adjustable through 210° along the horizontal axis and 30° along the vertical axis.



CODE

CODE		PCS./PACK.
F210S	PAIR OF ADJUSTABLE PHOTOCELLS WITH NICE TTBUS TECHNOLOGY	1
FA1	VANDAL-PROOF METAL SHELL	2
FA2	BRACKET FOR FIXING TO MOCF AND MOCF2 COLUMNS	5



SAFETY FIRST FOR LARGE INSTALLATIONS.

OTHER ACCESSORIES AND SWITCHES



TTE

EXPANSION TO CONTROL A NUMBER OF MOTORS IN SINGLE OR MULTIPLE MODE, CAN BE USED WITH MINDY TT SERIES CONTROL UNITS. PROTECTION CLASS IP10.



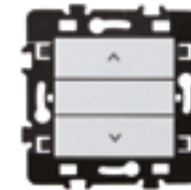
TTU

ELECTRONIC LIMIT STOP PROGRAMMING UNIT (CABLE TEST).



555.30000

SWITCHES WITH THREE BUTTONS INTERLOCKED, UP-STOP-DOWN.



555.21100

SWITCH WITH TWO BUTTONS NOT INTERLOCKED. OPERATION MAN PRESENT.



556.00000

PLATE FOR 555.30000 AND 555.21100 SWITCHES.



556.01000

PLATE WITH NICE LOGO FOR 555.30000 AND 555.21100 SWITCHES.



556.10000

RECESSED BOX FOR SWITCHES 555.30000 AND 555.21100.



LIGHT IS RIGHT!

Nice

Nice automation systems for a light control, simple and convenient, ideal for renovation projects for any type of building. The easiest way to get the right light and to save energy.

NICE IS THE SIMPLEST INTEGRATION THE WIDEST RANGE! THE BEST CONTROL ELECTRONICS! THE FINEST DESIGN! THE BEST OF ALL TOGETHER!

<p>CONTROL UNIT EASY TO USE</p> 	<p>INTEGRATION EASY TO USE</p> 	<p>RELIABLE AND EASY TO INSTALL</p> 	<p>EXTENSIVE 3 WIRE DIMMER</p> 
<p>SMART WALL-UP</p> 	<p>SLIMLINE</p> 	<p>ADAPTIVE LIGHT</p> 	

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NICE SERVICE FOR YOU

NICE SERVICE FOR YOU: QUALITY, SAFETY AND LONG LIFE

THE CARE OF THE PRODUCT AND TO THE EUROPEAN STANDARDS IN ORDER TO GUARANTEE THE SAFETY OF YOUR AUTOMATION.

NICE INFORMS

To reinforce the company's relationship with professionals and provide serious and complete training, **Nice offers a packed program of training courses on products, installation techniques, programming and updates.**

Particular attention and exhaustive coverage is dedicated to current European legislation and standards, with the aim of simplifying the procedure to obtain the declaration of conformity and guarantee the complete safety of the automation systems installed.

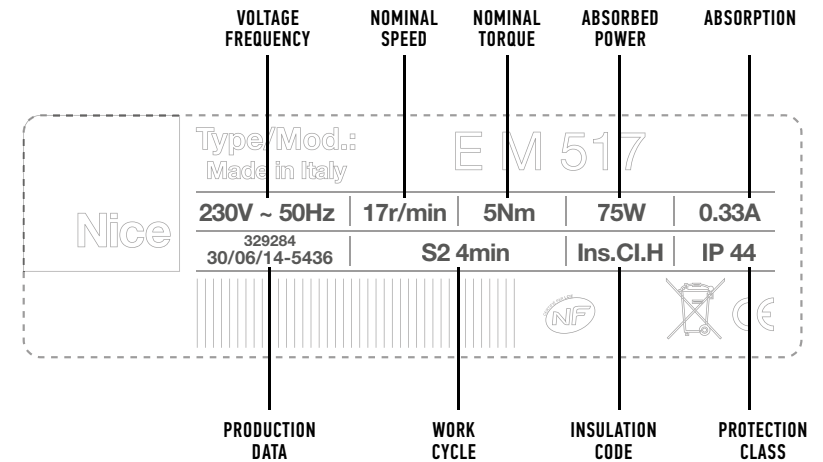
THE NICE EFFORT FOR CUSTOMERS AND AUTOMATION PROFESSIONALS

AFTER-SALES SERVICE

Nice guarantees an **efficient and punctual service**, including on-line: every Nice customer can surf on the new website www.niceforyou.com and consult all documentation on products and spare parts, together with constantly up-to-date technical information and the possibility to download installation manuals.

Importance of the label!

Remember to give the ID details of the motor when requesting after-sales service.



INSTALLATION EXAMPLES FOR AUTOMATING AWNINGS AND BLINDS

CONFIGURATIONS FOR TUBULAR MOTORS WITH BUILT-IN RADIO RECEIVER

MOTORS:

With mechanical limit stop and built-in radio receiver,
Nice TTBUS technology and manual emergency override mechanism
ERA PLUS MH, ERA PLUS LH

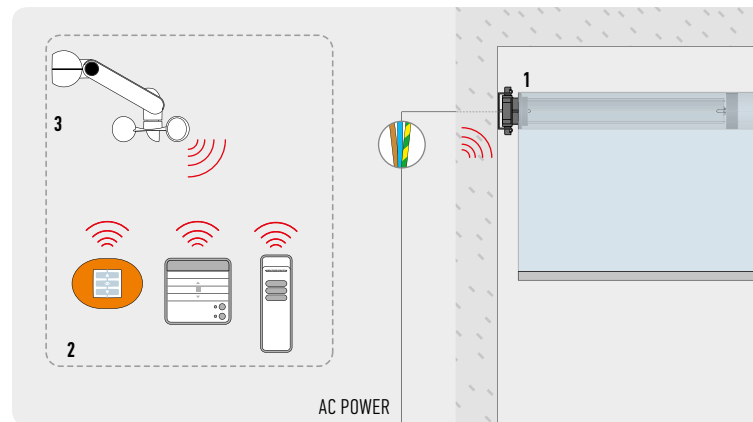
With tubular motor with pushbutton limit stop, built-in radio receiver
and Nice TTBUS technology
ERA PLUS M

With tubular motor with electronic limit stop and built-in receiver
ERA FIT M

With electronic limit stop, built-in radio receiver and manual emergency
override mechanism
ERA FIT MHT

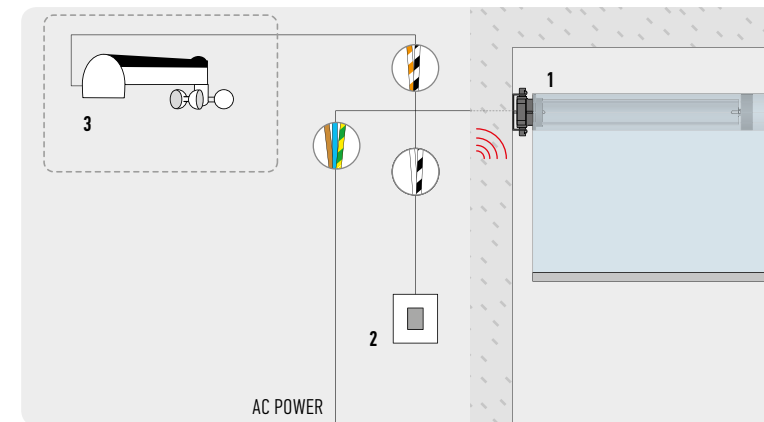
With electronic limit stop, built-in radio receiver and Nice TTBUS
technology.
ERA MAT

INSTALLATION CONFIGURATION WITH CONTROL UNIT AND/OR RADIO-CONTROLLED CLIMATIC SENSOR.



1. TUBULAR MOTOR* 2. TRANSMITTER 3. NEMO SERIES RADIO-CONTROLLED SOLAR-POWERED ANEMOMETER

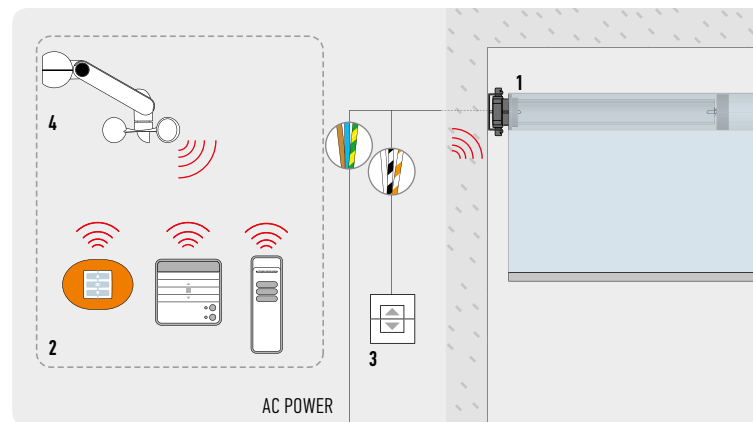
INSTALLATION CONFIGURATION WITH CONTROL UNIT AND/OR WIRE-CONTROLLED CLIMATIC SENSOR.



1. TUBULAR MOTOR 2. "UP/DOWN" BUTTON CONNECTED TO THE TTBUS*
3. VOLO SERIES WIRE-CONTROLLED ANEMOMETER CONNECTED TO THE TTBUS*

Configuration not allowed for models ERA FIT M, ERA FIT MHT, ERA PLUS MH, ERA PLUS LH.

INSTALLATION CONFIGURATION COMPLETE WITH WIRE AND RADIO CONTROL.



1. TUBULAR MOTOR 2. TRANSMITTER 3. "UP/DOWN" BUTTON CONNECTED TO THE TTBUS* 4. NEMO SERIES
RADIO-CONTROLLED SOLAR-POWERED ANEMOMETER

Configuration not allowed for models ERA FIT M and ERA FIT MHT.

***IMPORTANT:** Do not connect the mains electricity to the low-voltage wires
dedicated to the TTBUS technology (white-white black-white orange).
If these are not used, insulate them efficiently.

CONFIGURATIONS FOR TUBULAR MOTORS WITHOUT BUILT-IN RADIO RECEIVER

MOTORS:

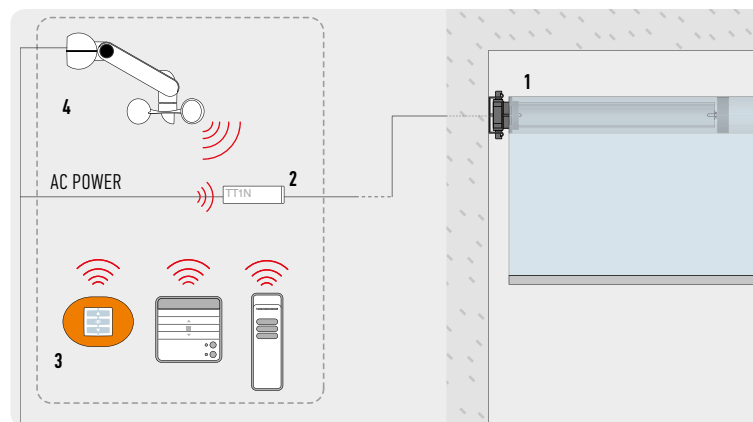
With mechanical limit stop
ERA S, ERA M, ERA L, ERA XL,

With mechanical limit stop and manual emergency override mechanism
ERA MH, ERA LH, ERA XLH

With pushbutton limit stop
ERA QUICK

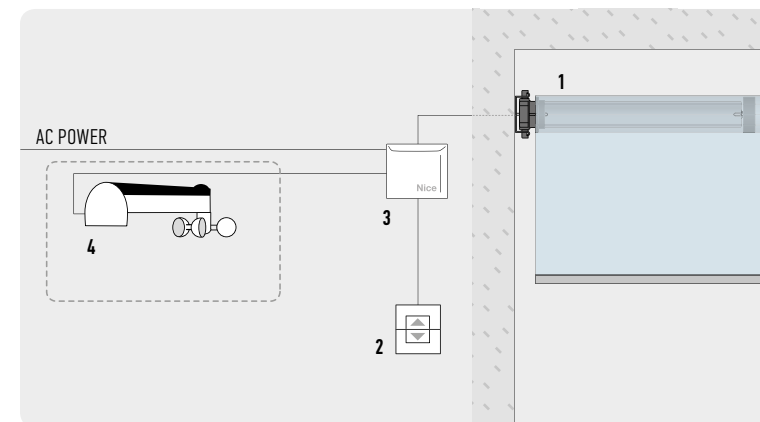
With electronic limit stop
ERA STAR

INSTALLATION CONFIGURATION WITH CONTROL UNIT AND/OR RADIO-CONTROLLED CLIMATIC SENSOR.



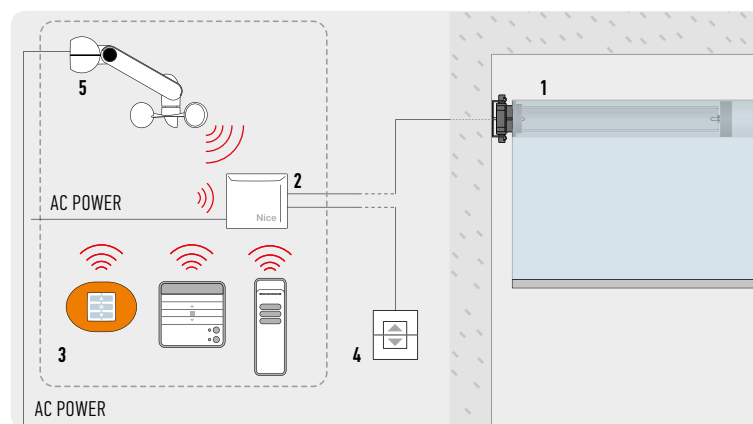
1. TUBULAR MOTOR 2. MINDY TT4 SERIES CONTROL UNIT 3. TRANSMITTER
4. NEMO SERIES RADIO-CONTROLLED ANEMOMETER

INSTALLATION CONFIGURATION WITH CONTROL UNIT AND/OR WIRE-CONTROLLED CLIMATIC SENSOR.



1. TUBULAR MOTOR 2. INTERLOCKED "UP/DOWN" BUTTON CONNECTED TO THE MINDY TT3 CONTROL UNIT
3. MINDY TT3 SERIES CONTROL UNIT 4. VOLO SERIES WIRE-CONTROLLED ANEMOMETER

INSTALLATION CONFIGURATION COMPLETE WITH WIRE AND RADIO CONTROL.



1. TUBULAR MOTOR 2. MINDY TT4 SERIES CONTROL UNIT 3. TRANSMITTER 4. "UP/DOWN" BUTTON CONNECTED TO THE MINDY TT4 SERIES CONTROL UNIT 5. NEMO SERIES RADIO-CONTROLLED ANEMOMETER

INSTALLATION EXAMPLES FOR AUTOMATING SHUTTERS

CONFIGURATIONS FOR TUBULAR MOTORS WITH BUILT-IN RADIO RECEIVER

MOTORS:

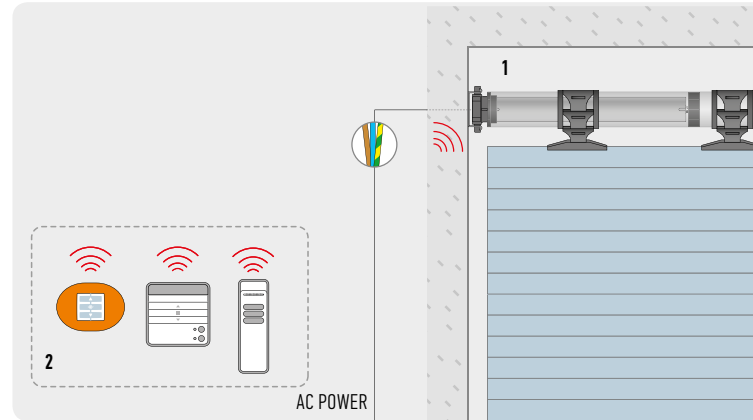
With tubular motor with pushbutton limit stop, built-in radio receiver and Nice TTBUS technology
ERA PLUS M, ERA PLUS LH

With mechanical limit stop and manual emergency override mechanism, built-in radio receiver and Nice TTBUS technology
ERA PLUS MH, ERA PLUS LH

With electronic limit stop and built-in radio receiver
ERA FIT SP, ERA FIT M, ERA FIT MP

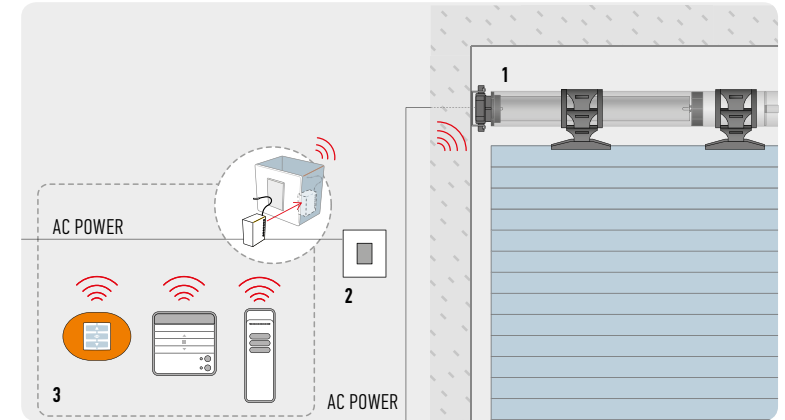
With electronic limit stop, built-in receiver and Nice TTBUS technology
ERA MAT

INSTALLATION CONFIGURATION WITH RADIO CONTROL.



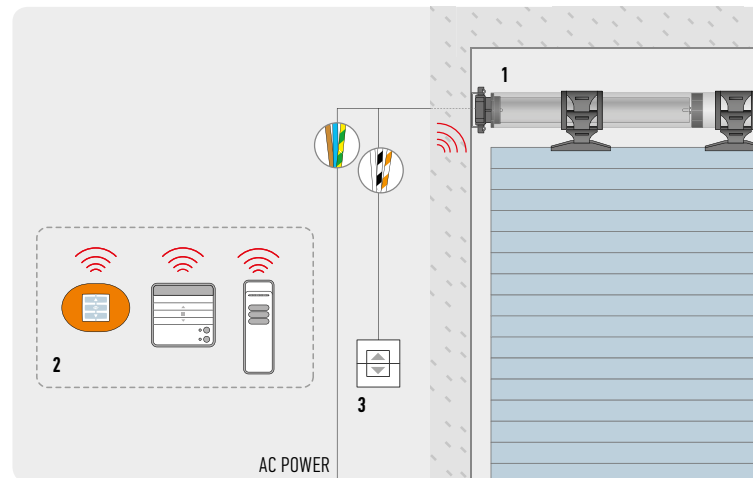
1. TUBULAR MOTOR 2. TRANSMITTER

INSTALLATION CONFIGURATION WITH WIRED CONTROL.



1. TUBULAR MOTOR 2. TTX4 RECESSED TRANSMITTER POWERED BY MAINS ELECTRICITY 3. TRANSMITTER

INSTALLATION CONFIGURATION COMPLETE WITH WIRE AND RADIO CONTROL.



1. TUBULAR MOTOR 2. TRANSMITTER 3. "UP/DOWN" BUTTON CONNECTED TO TTBUS* OR PUSHBUTTON WITH ERA PLUS MH AND ERA PLUS LH

Configuration not allowed for ERA FIT SP, ERA FIT M e ERA FIT MP.

***IMPORTANT:** Do not connect the mains electricity to the low-voltage wires dedicated to the TTBUS technology (white-white black-white orange). If these are not used, insulate them efficiently.

CONFIGURATIONS FOR TUBULAR MOTORS WITHOUT BUILT-IN RADIO RECEIVER

MOTORS:

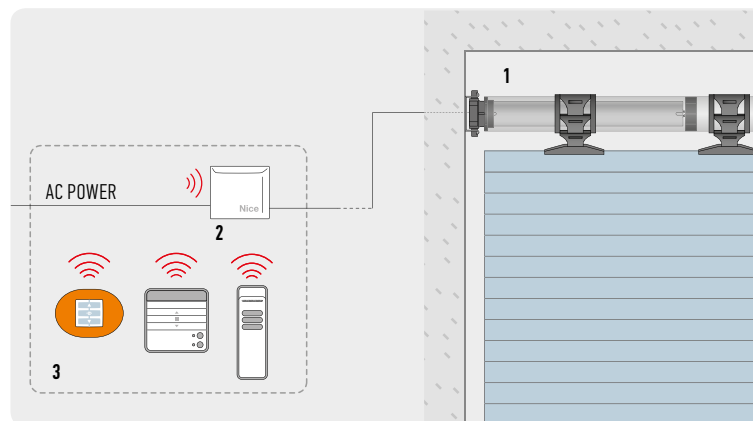
With mechanical limit stop
ERA S, ERA M, ERA L, ERA XL

With mechanical limit stop and manual emergency override mechanism
ERA MH, ERA LH, ERA XLH

With pushbutton limit stop
ERA QUICK

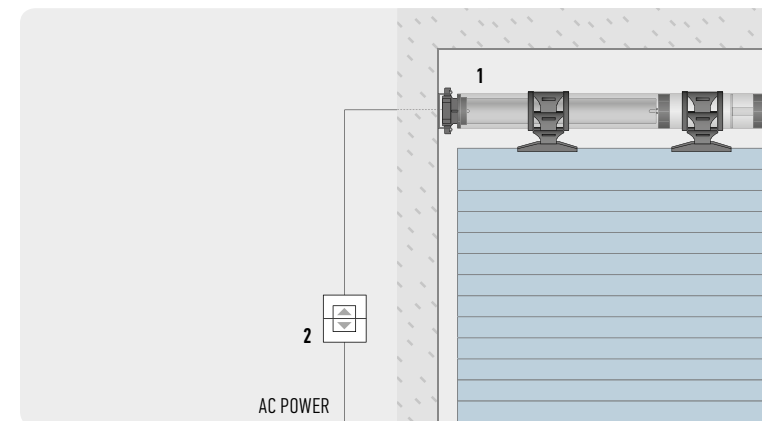
With electronic limit stop
ERA STAR

INSTALLATION CONFIGURATION WITH RADIO CONTROL.



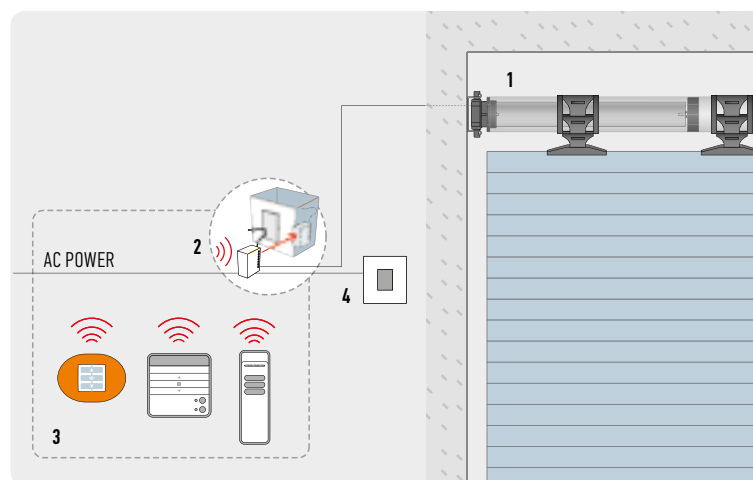
1. TUBULAR MOTOR 2. TT1N CONTROL UNIT 3. TRANSMITTER

INSTALLATION CONFIGURATION WITH WIRED CONTROL.



1. TUBULAR MOTOR 2. INTERLOCKED "UP/DOWN" BUTTON CONNECTED VIA MAINS POWER SUPPLY

INSTALLATION CONFIGURATION COMPLETE WITH WIRE AND RADIO CONTROL.



1. TUBULAR MOTOR 2. MINDY TT2N SERIES CONTROL UNIT CONNECTED VIA MAINS POWER SUPPLY
 3. TRANSMITTER 4. PUSHBUTTON

INSTALLATION EXAMPLES FOR AUTOMATING PARALLEL SHUTTERS AND BLINDS

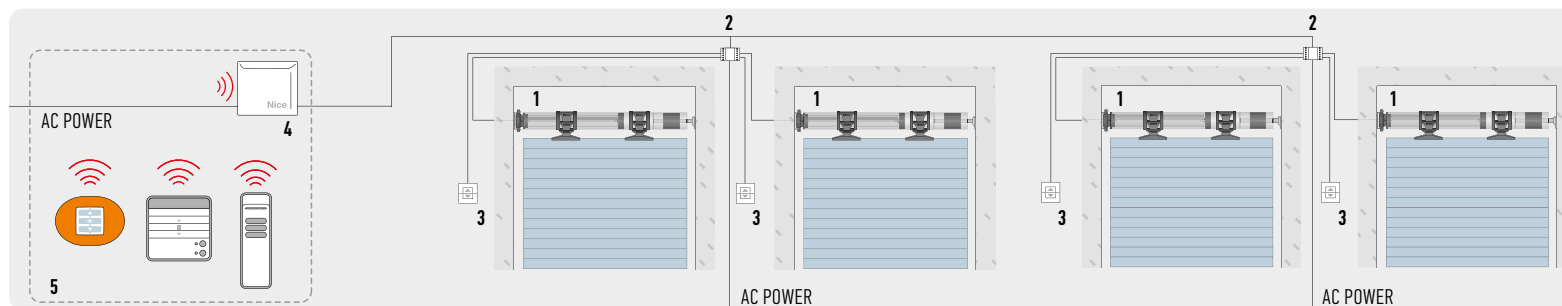
COMPLETE CONFIGURATION FOR TUBULAR MOTORS WITH MECHANICAL LIMIT STOP

MOTORS:

With mechanical limit stop
ERA S, ERA M, ERA L, ERA XL,

With mechanical limit stop and manual emergency
override mechanism

ERA MH, ERA LH, ERA XLH



1. TUBULAR MOTOR 2. TTE EXPANSION BOARD 3. GENERAL "UP/DOWN" BUTTON 4. INDIVIDUAL "UP/DOWN" BUTTON 5. TT4* SERIES CONTROL UNIT 6. TRANSMITTER FOR GROUP CONTROL

***ATTENTION:** The maximum number of tubular motors that can be connected simultaneously depends on the control unit power.

COMPLETE CONFIGURATION FOR TUBULAR MOTORS WITHOUT BUILT-IN RADIO RECEIVER

MOTORS:

With pushbutton limit stop
ERA QUICK

With electronic limit stop
ERA STAR
(maximum permitted length 200 m)



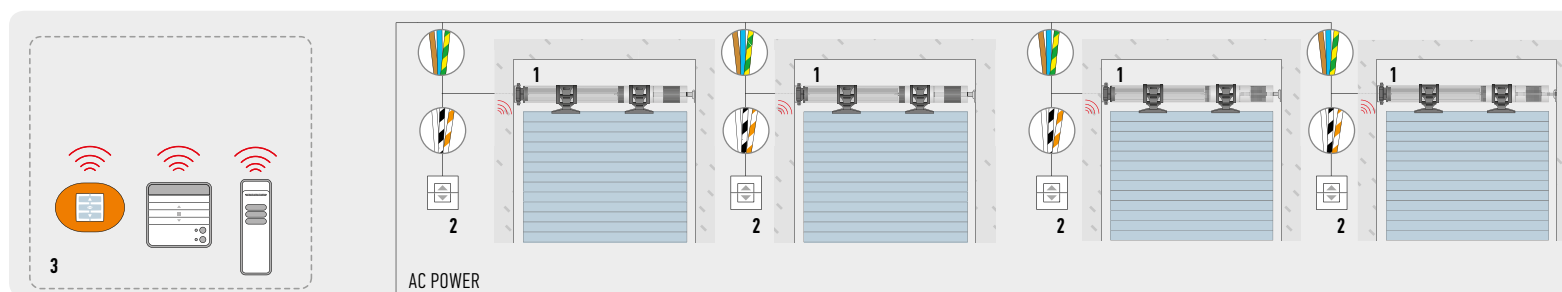
1. TUBULAR MOTOR 2. GENERAL "UP/DOWN" BUTTON 3. TT4 SERIES CONTROL UNIT 4. TRANSMITTER FOR GROUP CONTROL

COMPLETE CONFIGURATION FOR TUBULAR MOTORS WITH BUILT-IN RADIO RECEIVER AND TTBUS

MOTORS:

With tubular motor with pushbutton limit stop, built-in radio receiver
and Nice TTBUS technology.
ERA PLUS M

With electronic limit stop, built-in receiver and Nice TTBus technology.
ERA MAT



1. TUBULAR MOTOR 2. INDIVIDUAL "UP/DOWN" BUTTON CONNECTED TO TTBUS* 3. TRANSMITTER FOR SINGLE OR GROUP CONTROL

***IMPORTANT:** Do not connect the mains electricity to the low-voltage wires dedicated to the TTBus technology (white-white black-white orange). If these are not used, insulate them efficiently.

MECHANICAL LIMIT STOP

The mechanical limit stop is the classical intuitive solution to manually adjust the limit positions of a shutter.

PUSHBUTTON LIMIT STOP

The pushbutton limit stop combines the precision and reliability of the electronic limit stop with the easy and intuitive adjustment typical of a mechanical limit stop. The limit positions of the shutter can be set by pressing the pushbutton corresponding to the direction of rotation of the motor.

ELECTRONIC LIMIT STOP

The electronic limit stop is the most advanced and reliable solution for managing the limit positions of a shutter.

The limit stops can be adjusted easily, including by means of 0-View TT and TTP external programming units.

The encoder technology in fact guarantees millimetric precision, maintenance of set values over time (including in high temperatures) and constant optimum force on the shutter.

A number of motors can be connected in parallel from a single control point without the need for additional control units.

BUILT-IN RADIO RECEIVER

The built-in radio receiver enables a command to be sent from a transmitter directly to the motor without having to use an external control unit with radio receiver which would otherwise have to be connected by wire.

The limit stops can thus be programmed conveniently by means of a transmitter and climatic sensors can be connected easily by radio, thus simplifying the installation scheme.

TTBUS

The Nice Ttbus is the solution for connecting applications and accessories and for programming the automation.

It enables the installation scheme to be simplified by:

- controlling movement of the motor through a low voltage control
- connecting climatic sensors by wire without the need for external control units
- a number of motors can be connected in parallel from a single control point without the need for additional control units.

As well as simplifying the installation scheme, this technology allows limit stops to be adjusted easily and quickly with the 0-View TT and TTP external programming units, even in installations with a large number of applications.

EMERGENCY OVERRIDE MECHANISM

Using a special lever, this mechanical system enables the head to be disconnected from the body of the motor, allowing the shutter to be raised and lowered even if the power fails.

MANUAL PROGRAMMING

Programming procedure for motors with electronic limit stop allowing the limit positions of the shutter to be set precisely via a transmitter, wall-mounted control or programming device (0-view TT, TTP).

SEMI-AUTOMATIC PROGRAMMING

Programming procedure for motors with electronic limit stop, specifically for applications in which the shutter physically strikes against the top of the structure (roller shutter with mechanical stops or box awnings). The top limit stop is programmed automatically with memorising of the position at which the shutter strikes the structure. The bottom limit stop, on the other hand, is programmed using a manual procedure with visual confirmation.

AUTOMATIC PROGRAMMING

Simplified programming procedure for applications in which the shutter physically strikes against the top and bottom of the structure (roller shutters with mechanical stops and anti-intrusion springs). By taking the shutter to the required limit positions by means of a transmitter or wall-mounted control, the motor automatically memorises the settings.

PLUG-AND-PLAY

Thanks to this function, no programming of the motor is required, thanks to installation with automatic continuous memorising of limit stop positions (dynamic update).

SMART-MEMO

During installation of the rolling shutter, the exclusive Smart-Memo function recognises any Nice transmitter as a "test transmitter", without having to perform the memorising procedure. The memory is cleared by simply disconnecting the gearmotor.

INTERMEDIATE HEIGHT

Quickly and easily recalls your favourite positions with a simple pressure. You can set numerous intermediate heights without the need for visual control of shutter movement up to the required height.

ROLLING SHUTTER PROTECTION

Perfect control of force protects the rolling shutter from damage caused by freezing or excessive friction during raising and recognises possible obstacles during lowering. The recognition can be adjusted on a number of levels, it preserves the rolling shutter from damage and, when anti-intrusion springs are fitted, improves resistance.

RDC FUNCTION (TORQUE REDUCTION DURING CLOSING)

Specifically for automating box awnings. RDC: torque reduction system to stop movement gently without straining the fabric when the closed position is reached. Level adjustment by TTP, TTU or 0-View TT programmers,

FRT FUNCTION (FABRIC TENSIONING SYSTEM)

retracts the fabric by a programmable amount when the fully open position has been reached, thereby eliminating unsightly sagging.

FTC FUNCTION (AUTOMATIC HOOKING SYSTEM)

Specific for the automation of awnings with blocking mechanism with automatic hooking, such as arbour awnings or wintergardens. Two limit positions can be set for the hooking and unhooking procedures.

FTA FUNCTION (MANUAL HOOKING SYSTEM)

Specific for automating awnings with manual hooking and blocking system. It guarantees correct tensioning of the fabric in one or more points where the manual blocking mechanism is positioned.

MEMORY LOCKING

Memory locking lets you programme the transmitters safely, without the risk of accidental memorising. The function can be deactivated at any moment.

ALPHABETICAL INDEX

CODE	PRODUCT CATEGORY	PAGE	CODE	PRODUCT CATEGORY	PAGE
A01	Control unit	171	E M 1517	Tubular motor with mechanical limit stop. Ø 45 mm. 15 Nm, 17 rpm	64
A02	Control unit with automatic closing	171	E M 3017	Tubular motor with mechanical limit stop. Ø 45 mm. 30 Nm, 17 rpm	64
AG4B	Portable transmitter to control lights and electrical loads, black (with charger base)	161	E M 4012	Tubular motor with mechanical limit stop. Ø 45 mm. 40 Nm, 12 rpm	64
AG4BB	Portable transmitter to control lights and electrical loads, black	161	E M 426	Tubular motor with mechanical limit stop. Ø 45 mm. 44 Nm, 26 rpm	64
AG4BR	Portable transmitter to control lights and electrical loads, red	161	E M 5012	Tubular motor with mechanical limit stop. Ø 45 mm. 50 Nm, 12 rpm	64
AG4BW	Portable transmitter to control lights and electrical loads, white	161	E M 517	Tubular motor with mechanical limit stop. Ø 45 mm. 5 Nm, 17 rpm	64
AG4R	Portable transmitter to control lights and electrical loads, red (with charger base)	161	E M 817	Tubular motor with mechanical limit stop. Ø 45 mm. 8 Nm, 17 rpm	64
AG4W	Portable transmitter to control lights and electrical loads, white (with charger base)	161	E MAT LA 10012	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 58 mm. 100 Nm, 12 rpm	110
ALA1	Battery charger	169	E MAT LA 12012	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 58 mm. 120 Nm, 12 rpm	110
B1,2V2.4315	Pair of rechargeable batteries for TTP	170	E MAT LA 5517	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 58 mm. 55 Nm, 17 rpm	110
CK28000A0	Kit for canopy awnings, tubular motor with mechanical limit stop. Ø 45 mm. 15 Nm, 17 rpm	128	E MAT LA 6517	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 58 mm. 65 Nm, 17 rpm	110
CK28000A2	Kit for canopy awnings, tubular motor with electronic limit switch, control unit and built-in receiver. Ø 45 mm. 15 Nm, 17 rpm	130	E MAT LA 7517	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 58 mm. 75 Nm, 17 rpm	110
E FIT M 1517	Tubular motor with electronic limit switch and built-in receiver. Ø 45 mm. 15 Nm, 17 rpm	76	E MAT LA 8012	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 58 mm. 80 Nm, 12 rpm	110
E FIT M 3017	Tubular motor with electronic limit switch and built-in receiver. Ø 45 mm. 30 Nm, 17 rpm	76	E MAT LT 10012	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 58 mm. 100 Nm, 12 rpm	112
E FIT M 4012	Tubular motor with electronic limit switch and built-in receiver. Ø 45 mm. 40 Nm, 12 rpm	76	E MAT LT 12012	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 58 mm. 120 Nm, 12 rpm	112
E FIT M 5012	Tubular motor with electronic limit switch and built-in receiver. Ø 45 mm. 50 Nm, 12 rpm	76	E MAT LT 5517	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 58 mm. 55 Nm, 17 rpm	112
E FIT M 817	Tubular motor with electronic limit switch and built-in receiver. Ø 45 mm. 8 Nm, 17 rpm	76	E MAT LT 6517	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 58 mm. 65 Nm, 17 rpm	112
E FIT MHT 1517	Tubular motor with electronic limit switch and built-in radio receiver, manual emergency override mechanism. Ø 45 mm. 15 Nm, 17 rpm	92	E MAT LT 7517	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 58 mm. 75 Nm, 17 rpm	112
E FIT MHT 3017	Tubular motor with electronic limit switch and built-in radio receiver, manual emergency override mechanism. Ø 45 mm. 30 Nm, 17 rpm	92	E MAT LT 8012	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 58 mm. 80 Nm, 12 rpm	112
E FIT MHT 4012	Tubular motor with electronic limit switch and built-in radio receiver, manual emergency override mechanism. Ø 45 mm. 40 Nm, 17 rpm	92	E MAT MA 1517	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 45 mm. 15 Nm, 17 rpm	80
E FIT MHT 5012	Tubular motor with electronic limit switch and built-in radio receiver, manual emergency override mechanism. Ø 45 mm. 50 Nm, 17 rpm	92	E MAT MA 3017	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 45 mm. 30 Nm, 17 rpm	80
E FIT MP 1517	Tubular motor with electronic limit switch and built-in receiver. Ø 45 mm. 15 Nm, 17 rpm	78	E MAT MA 4012	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 45 mm. 40 Nm, 12 rpm	80
E FIT MP 3017	Tubular motor with electronic limit switch and built-in receiver. Ø 45 mm. 30 Nm, 17 rpm	78	E MAT MA 5012	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 45 mm. 50 Nm, 12 rpm	80
E FIT MP 517	Tubular motor with electronic limit switch and built-in receiver. Ø 45 mm. 5 Nm, 17 rpm	78	E MAT MA 517	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 45 mm. 5 Nm, 17 rpm	80
E FIT MP 817	Tubular motor with electronic limit switch and built-in receiver. Ø 45 mm. 8 Nm, 17 rpm	78	E MAT MA 817	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 45 mm. 8 Nm, 17 rpm	80
E FIT SP 1011	Tubular motor with electronic limit switch and built-in receiver. Ø 35 mm, 10 Nm, 11 rpm	54	E MAT MO 1012	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 45 mm. 10 Nm, 12 rpm	84
E FIT SP 611	Tubular motor with electronic limit switch and built-in receiver. Ø 35 mm, 6 Nm, 11 rpm	54	E MAT MO 1517	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 45 mm. 15 Nm, 17 rpm	84
E L 10012	Tubular motor with mechanical limit stop. Ø 58 mm. 100 Nm, 12 rpm	104	E MAT MO 2012	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 45 mm. 20 Nm, 12 rpm	84
E L 12012	Tubular motor with mechanical limit stop. Ø 58 mm. 120 Nm, 12 rpm	104	E MAT MO 3017	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 45 mm. 30 Nm, 17 rpm	84
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E L 6517	Tubular motor with mechanical limit stop. Ø 58 mm. 65 Nm, 17 rpm	104	E MAT MO 5012	Tubular motor with electronic limit switch, built-in receiver and TTBUS Ø 45 mm. 50 Nm, 12 rpm	84
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