GAPOSA

Motors and Control Systems

Interior Window Covering Motors 2023

DELIVERING SILENCE

Pioneering Window Shading Technology Since 1969
Ultra Quiet Motorization 100% Made in Italy

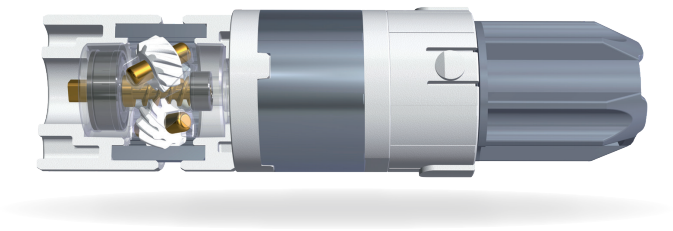
US Distribution: 300 Shell Lane Phoenixville, PA 19460
salesus@gaposa.com tel: 484-927-4385

Sileo XS

Engineered with superior noise reduction technology

What makes the XS range so unique is the patented planetary worm drive gearing, called Gearing Revolution. It provides an ultra quiet motor operation without any constraint in using dampening components inside the motor or silent blocks to absorb the shade's vibrations. This exclusive gearing technology is available in all DC and AC motors having the XS part number.

Worm-planetary gearing



XSDC main features:

- Quiet operation
- Constant and controlled speed
- Start and stop speed-ramps
- Power saving
- Easy limits setting
- Easy and safe wiring connection
- Dry contact inputs

Sound level

DC MODELS	Torque (Nm)	Speed (rpm)	Db (A)*
XSDC3EZ030B/BI/BC/BE	1.1	30	36
XSDC3EZ226B/BI/BC/BE	2	26	38
XSDC3EZ128 / XSDC3DZ128	1.5	28	38
XSDC3EZ228 / XSDC3DZ228	2	28	38
XSDC4EZ326B	3	18-28	/
XQDC4EZ615B	6	15	39
XSDC5EZ326B	3	26	34
XSDC5EZ615B	6	15	39
XSDC5DZ428 / XSDC5ED428	4	28	34
XSDC5DZ815 / XSDC5ED815	8	15	39

AC MODELS	Torque (Nm)	Speed (rpm)	Db (A)*
XS4EZ334 / XS4E334 / XS4P334	3	34	39
XS4EZ624 / XS4E624 / XS4P624	6	24	39
XQ5EZ634 / XQ5E634 / XQ5P634	6	34	42
XQ5EZ934 / XQ5E934 / XQ5P934	9	34	/

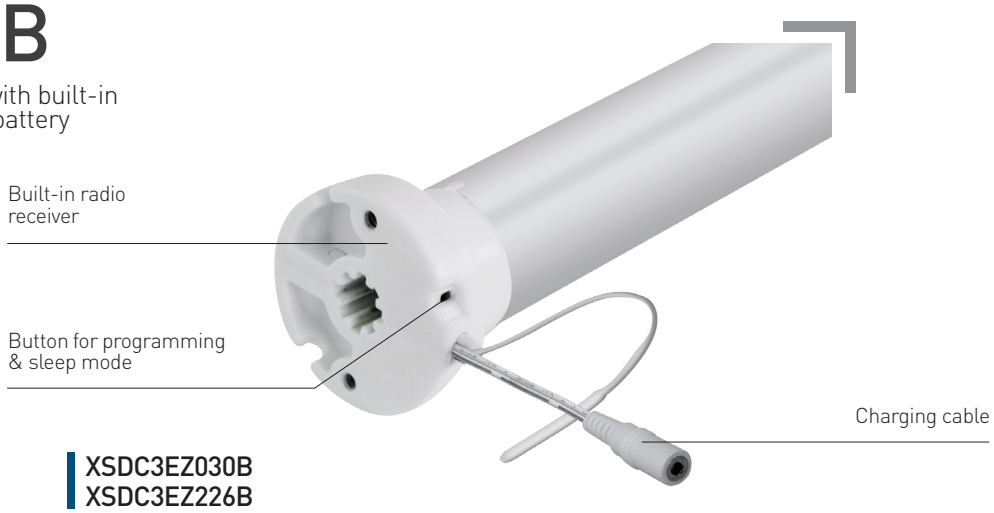
* Average value of sound pressure recorded in an acoustic room at a distance of 1 m.

Note

Transducer and acquisition hardware:
- ½-inch prepolarized free-field condenser microphone, 50mVPa
- 24 bits 102.4 kS/S ±10 V

XSDC3 **EZ B**

Electronic encoded type with built-in radio receiver and Li-Ion battery

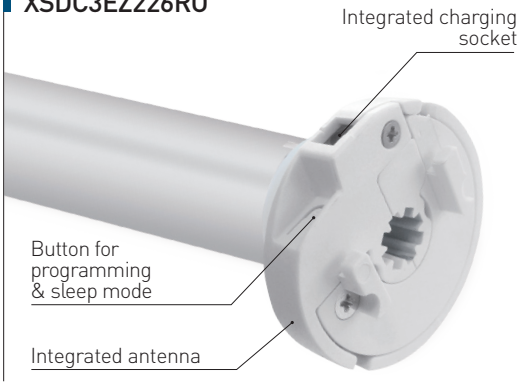


XSDC3EZ030B
XSDC3EZ226B

Embedded rechargeable Li-Ion battery motor

Alternative motor head with **integrated antenna and charging plug** also available:

XSDC3EZ030RO
XSDC3EZ226RO



MAIN FEATURES

Models	**XSDC3EZ030B** **XSDC3EZ030RO**	**XSDC3EZ226B** **XSDC3EZ226RO**
Torque	1.1 Nm	2 Nm
Speed	30 rpm	26 rpm
Power	15 W	18 W
Current	1.40 A	1.60 A
Limit switch	Electronic	Electronic
Max turns	70	70

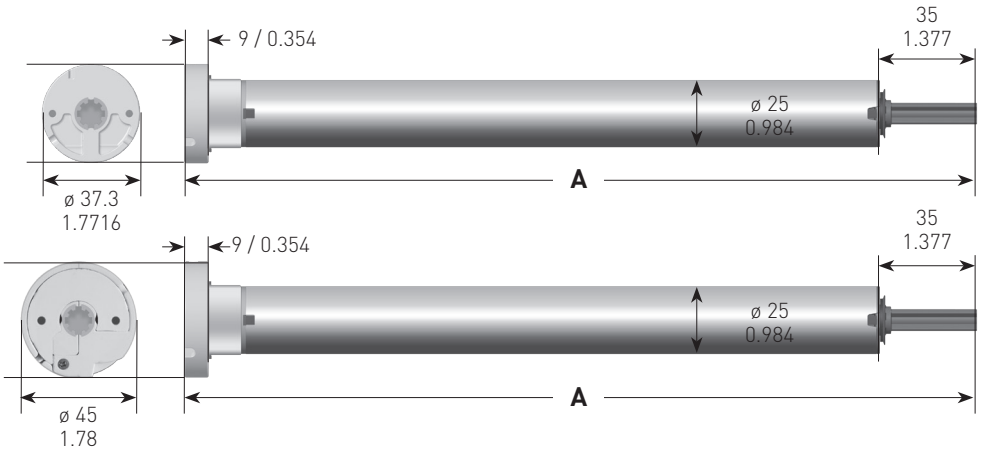
TECHNICAL DATA

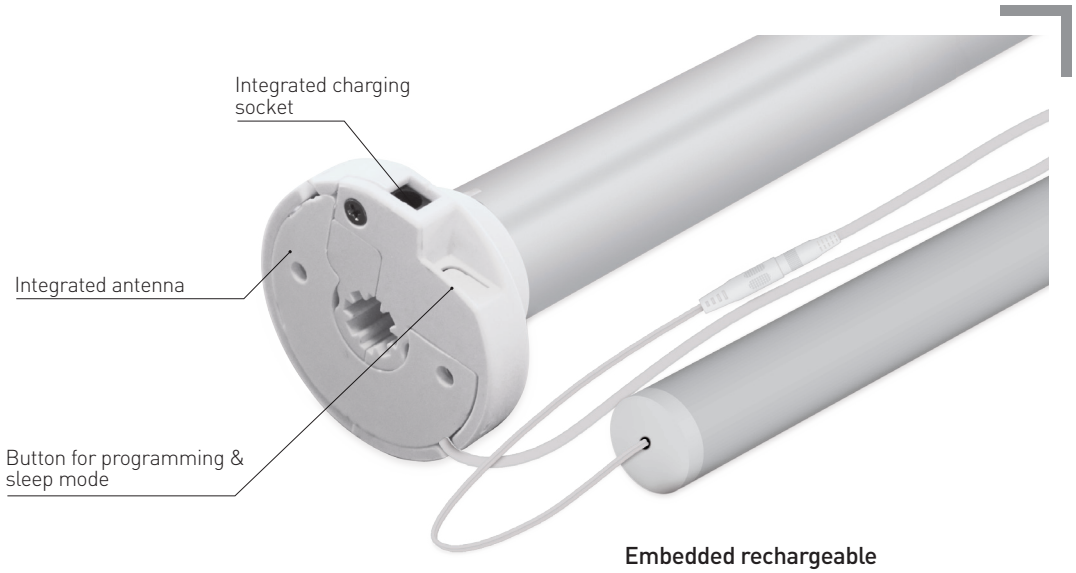
Voltage	12 VDC
Duty rating	6 min
Radio frequency	434.15 MHz
Protection	IP30
Working temperature	14°F / 104°F
Insulation class	III

DIMENSIONS mm/in

Model	**A**
XSDC3EZ030B	532 / 20.94
XSDC3EZ226B	553 / 21.77

Model	**A**
XSDC3EZ030RO	532 / 20.94
XSDC3EZ226RO	553 / 21.77





Embedded rechargeable Li-Ion battery motor

XSDC3 **EZ BE**

Electronic encoded type with built-in radio receiver and Li-Ion battery

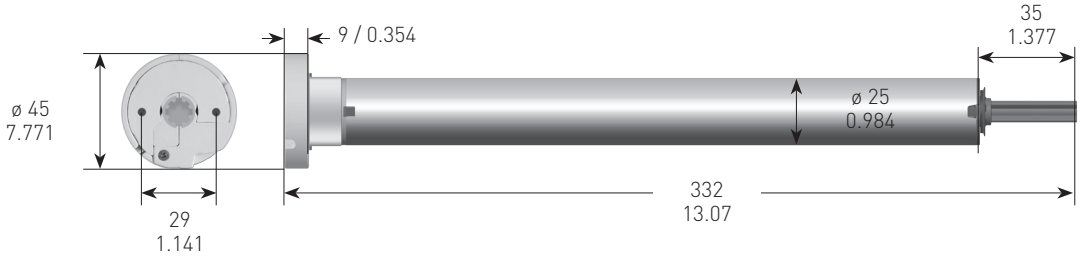
MAIN FEATURES

Models	**XSDC3EZ030BE**
Torque	1.1 Nm
Speed	30 rpm
Power	15 W
Current	1.40 A
Limit switch	Electronic
Max turns	70

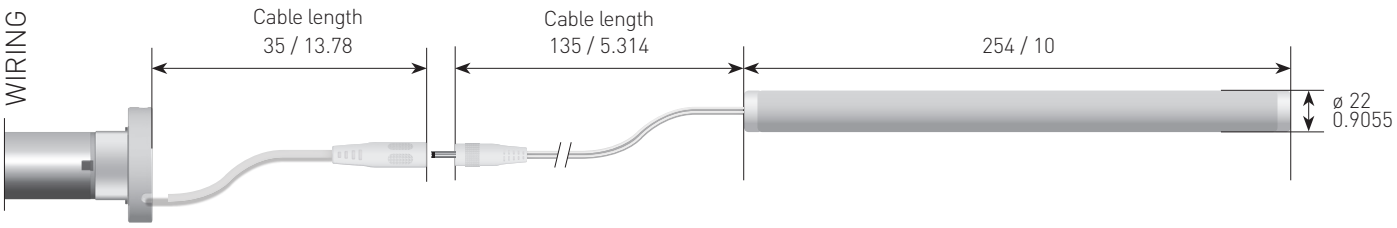
TECHNICAL DATA

Voltage	12 VDC
Duty rating	6 min
Radio frequency	434.15 MHz
Protection	IP30
Working temperature	14°F / 104°F
Insulation class	III

DIMENSIONS mm/in

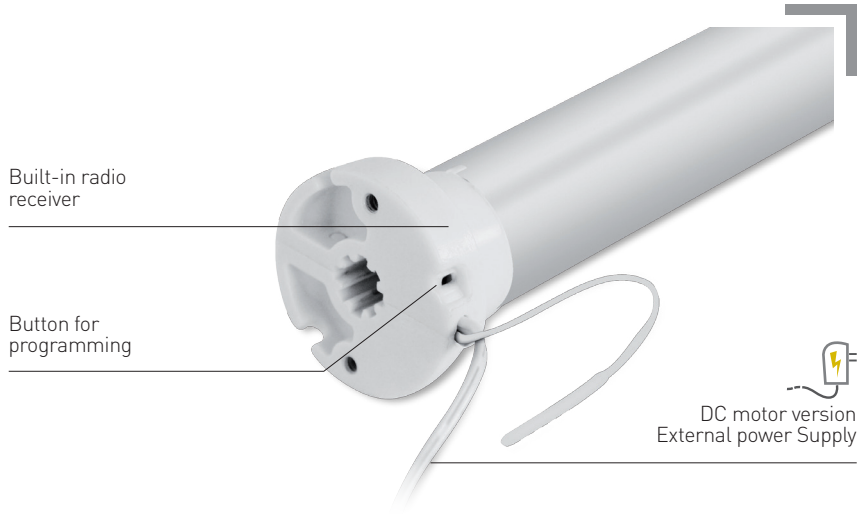


WIRING



SileoXS 30 DC

ULTRA QUIET MOTORIZATION



XSDC3 **EZ**

Electronic encoded type with built-in radio receiver

XSDC3 **DZ**

Electronic encoded type with built-in radio receiver and dry contacts

XSDC3 **ED**

Electronic encoded with dry contacts

MAIN FEATURES

DC motor
External power Supply

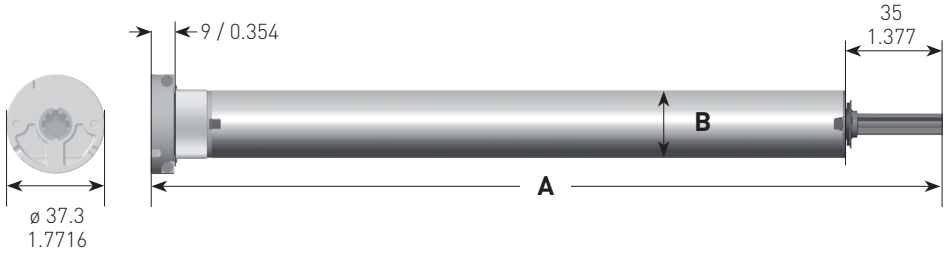
Models	XSDC3EZ128 XSDC3DZ128 XSDC3ED128	XSDC3EZ228 XSDC3DZ228 XSDC3ED228
Torque	1.5 Nm	2 Nm
Speed	28 rpm	28 rpm
Power	22 W	25 W
Current	0.90 A	1.10 A
Limit switch	Electronic	Electronic
Max turns	35	35

TECHNICAL DATA

Voltage	24 VDC
Duty rating	6 min
Radio frequency (type EZ/DZ)	434.15 MHz
Protection	IP30
Working temperature	14°F / 104°F
Insulation class	III

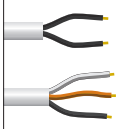
DIMENSIONS mm/in

Model			A	ø B
XSDC3EZ128	XSDC3DZ128	XSDC3ED128	349 / 13.7402	25 / 0.9842
XSDC3EZ228	XSDC3DZ228	XSDC3ED228	368 / 14.4882	28 / 1.1023



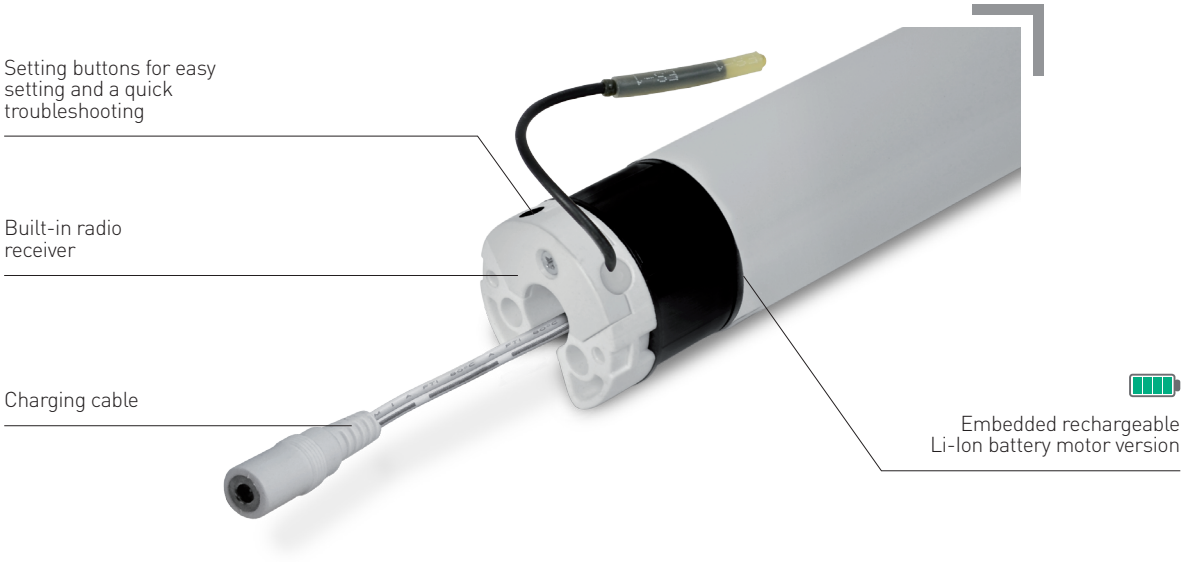
Power cable (EZ)

Power/Dry contact cables (ED / DZ)



Maximum power cable lenght
(to guarantee characteristics)

AWG 14	200 ft
AWG 16	115 ft
AWG 18	82 ft



XSDC4 **EZ B**

Electronic encoded type with built-in radio receiver and Li-Ion battery

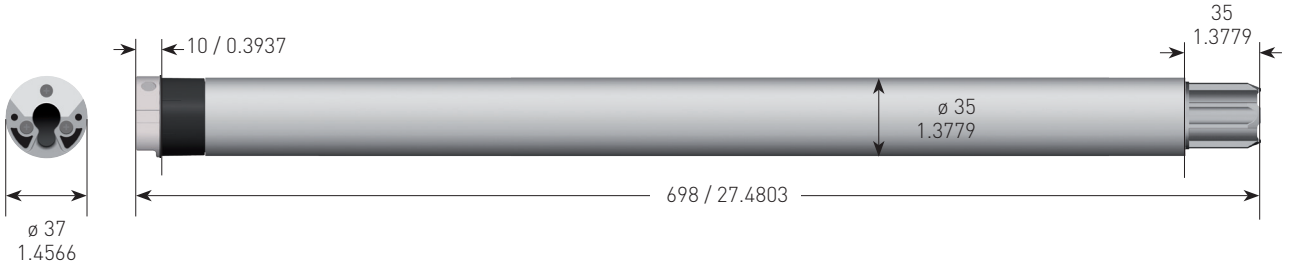
MAIN FEATURES

Models	XSDC4EZ326B	XQDC4EZ615B
	Embedded rechargeable Li-Ion battery motor	
Torque	3 Nm	6 Nm
Speed	26 rpm	15 rpm
Power	32 W	32 W
Current	2.9 A	2.9 A
Limit switch	Electronic	Electronic
Max turns	55	34

TECHNICAL DATA

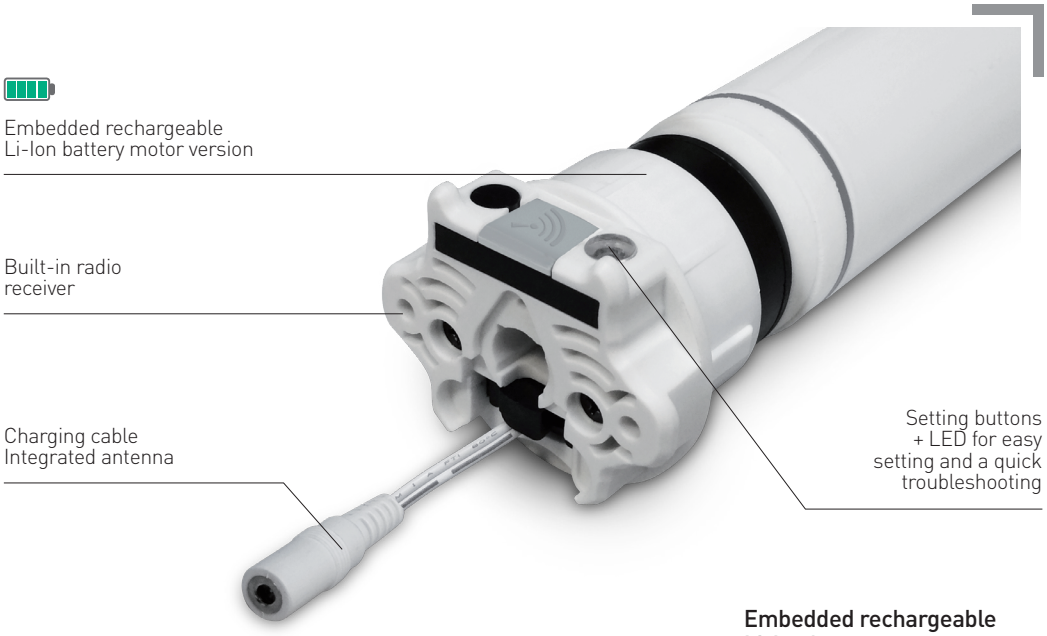
Voltage	12 VDC
Duty rating	6 min
Radio frequency	434.15 MHz
Protection	IP30
Working temperature	14°F / 104°F
Insulation class	III

DIMENSIONS mm/in



SleoXS 50 DC

ULTRA QUIET MOTORIZATION



XSDC5 **EZ B**

Electronic encoded type with built-in radio receiver and Li-Ion battery

MAIN FEATURES

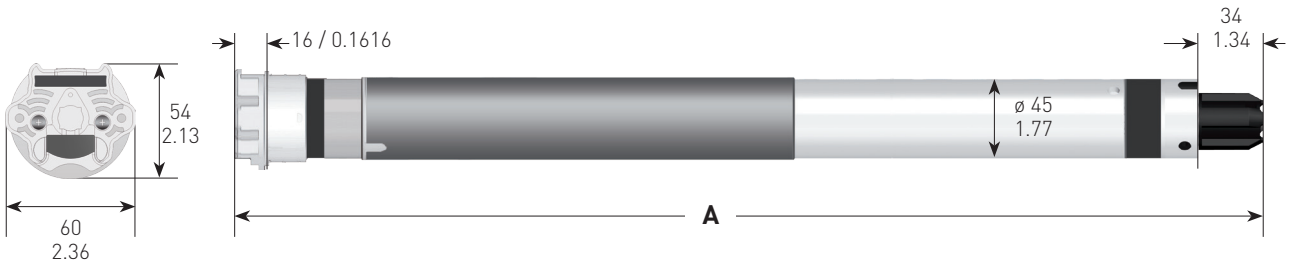
Models	XSDC5EZ326B	XSDC5EZ615B
	Embedded rechargeable Li-Ion battery motor	
Torque	3 Nm	6 Nm
Speed	26 rpm	15 rpm
Power	32 W	32 W
Current	2.9 A	2.9 A
Limit switch	Electronic	Electronic
Max turns	55	34

TECHNICAL DATA

Voltage	12 VDC
Duty rating	6 min
Radio frequency	434.15 MHz
Protection	IP30
Working temperature	14°F / 104°F
Insulation class	III

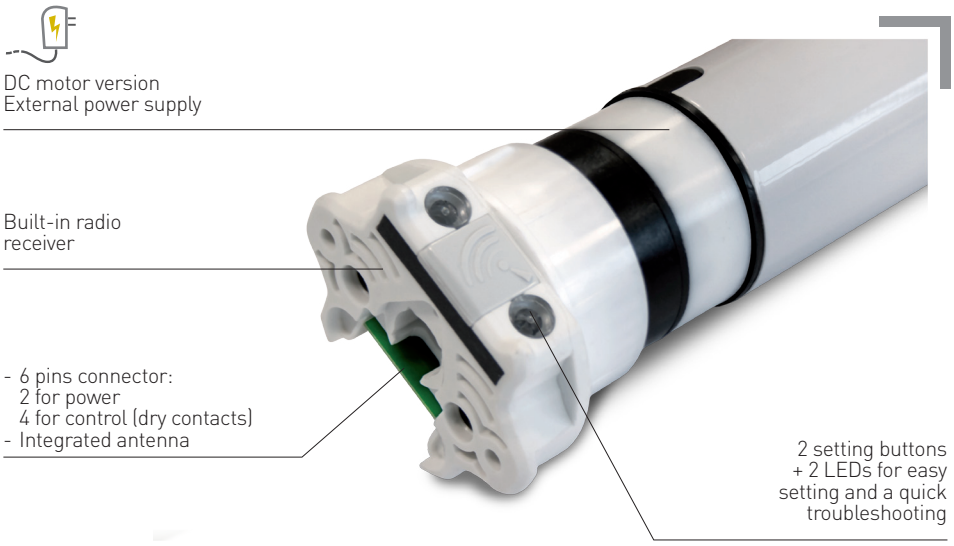
DIMENSIONS mm/in

Model	A
XSDC5DZ326B	573 / 22.56
XSDC5DZ615B	576 / 22.68



SleoXS 50 DC

ULTRA QUIET MOTORIZATION



XSDC5 **DZ**

Electronic encoded type with built-in radio receiver and dry contacts

XSDC5 **ED**

Electronic encoded with dry contacts

MAIN FEATURES

Models	XSDC5DZ428 XSDC5ED428	XSDC5DZ815 XSDC5ED815
Torque	4 Nm	8 Nm
Speed	28 rpm	15 rpm
Power	46 W	46 W
Current	2 A	2 A
Limit switch	Electronic	Electronic
Max turns	55	34

OPTIONAL

FLAX13W070

Plug-in power cable for XDC50 motor without dry contacts

27.5 cm

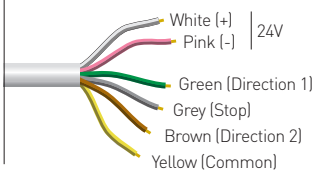
TECHNICAL DATA

Voltage	24 VDC
Duty rating	6 min
Radio frequency (type DZ)	434.15 MHz
Protection	IP30
Working temperature	14°F / 104°F
Insulation class	III

DIMENSIONS mm/in

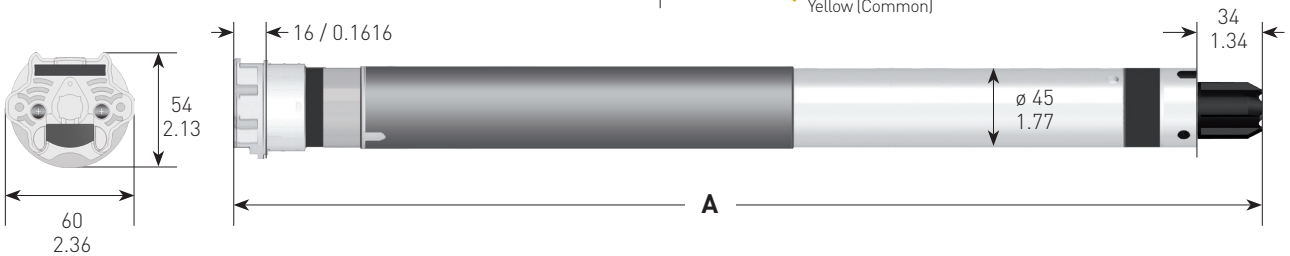
Model		A
XSDC5DZ428	XSDC5ED428	511 / 20.12
XSDC5DZ815	XSDC5ED815	514 / 20.24

Power/Dry contact cable



Maximum power cable lenght
(to guarantee characteristics)

AWG 14	200 ft
AWG 16	115 ft
AWG 18	82 ft



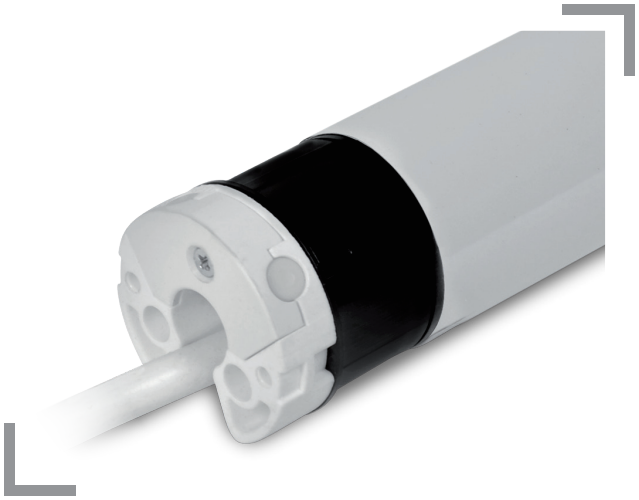
SleoXS 40

Line voltage X-quiet tubular motors

XS4EZ Electronic encoded with built-in radio receiver

XS4E Electronic encoded

XS4P Mechanical limit switch



MAIN FEATURES

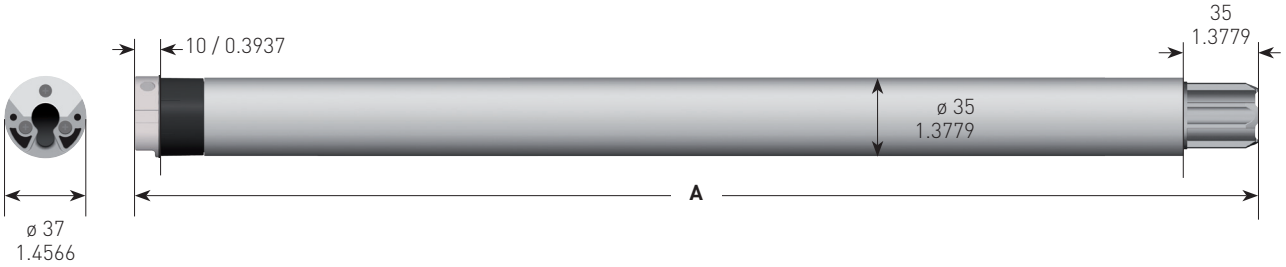
Models	XS4EZ334 XS4E334 XS4P334	XS4EZ624 XS4E624 XS4P624
Torque	3 Nm	6 Nm
Speed	34 rpm	24 rpm
Current	0.40 A	0.60 A
Max turns (EZ/E - P)	160 - 40	160 - 40

TECHNICAL DATA

Power Supply	120 VAC / 60 Hz
Working temperature	14°F / 104°F
Duty rating	45secON / 1minOFF
Radio frequency (type EZ)	434.15 MHz
Protection	IP44

DIMENSIONS mm/in

Model	A	Model	A
XS4EZ334	601 / 23.66	XS4EZ624	603 / 23.74
XS4E334	601 / 23.66	XS4E624	603 / 23.74
XS4P334	511 / 20.11	XS4P624	543 / 21.37



Sileo XQ 50

Line voltage quiet tubular motors

XQ5EZ Electronic encoded with built-in radio receiver with integrated antenna

XQ5E Electronic encoded

XQ5P Mechanical limit switch

MAIN FEATURES

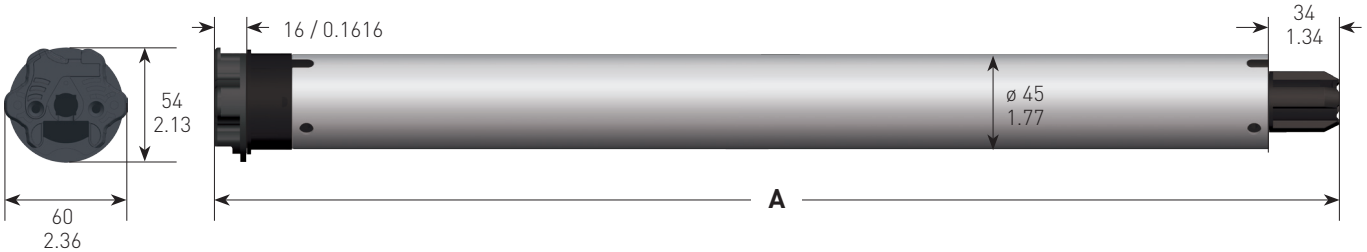
	SILEO	SHSM	SILEO	HSM
Models	**XQ5EZ634** **XQ5E634** **XQ5P634**	**XQ5EZ790** **XQ5E790** **XQ5P790**	**XQ5EZ934** **XQ5E934** **XQ5P934**	**XQ5EZ1234** **XQ5E1234** **XQ5P1234**
Torque	6 Nm	7 Nm	9 Nm	12 Nm
Speed	34 rpm	90 rpm	34 rpm	34 rpm
Amps	0.60 A	1.20 A	1.10 A	1.10 A
Max turns (EZ/E - P)	80 - 28	80 - 28	80 - 28	80 - 28

TECHNICAL DATA

Power Supply	120 VAC / 60 Hz
Working temperature	14°F / 104°F
Duty rating	45secON / 1minOFF
Radio frequency (type EZ)	434.15 MHz
Protection	IP44

DIMENSIONS mm/in

Model	A	Model	A	Model	A	Model	A
XQ5EZ634	543 / 21.37	**XQ5EZ790**	598 / 23.54	**XQ5EZ934**	574 / 22.59	**XQ5EZ1234**	602 / 23.70
XQ5E634	543 / 21.37	**XQ5E790**	598 / 23.54	**XQ5E934**	574 / 22.59	**XQ5E1234**	602 / 23.70
XQ5P634	505 / 19.88	**XQ5P790**	560 / 22.04	**XQ5P934**	534 / 21.02	**XQ5P1234**	580 / 22.83



Motor chart selection

SleoXS 30 DC

		XSDC30 030B	XSDC30 226B	XSDC30 128	XSDC30 228
ø Tube (in)	**type**	**Max blind weight (lbs)** (fabric + bottom bar) [1]			
1.1417	Benthin	12.3	23	16.7	/
1.2598	Benthin	11.2	20.5	14.4	20.5
1.4960	Rollease	9.2	16.7	12.8	16.7

SleoXS 40 DC

		XSDC40 326B	XSDC40 615
ø Tube (in)	**type**	**Max blind weight (lbs)** (fabric + bottom bar) [1]	
1.574	Round	23.8	33
1.7322	Round	21.6	30
1.968	Round	19.2	26.5

SleoXS 50 DC

		XSDC50 326B	XSDC50 615B	XSDC50 428	XSDC50 815
ø Tube (in)	**type**	**Max blind weight (lbs)** (fabric + bottom bar) [1]			
1.968	Round	19	38.3	26.5	53
2.362	Round	15.8	38	22.5	45
2.7559	Round	13.6	27.3	19	38.5

[1] Weight of the blind has great influence in the max number of cycles the Li-Ion battery operated motor performs every recharge.

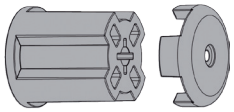
An operating friction factor is taken into account. The data are theoretical and do not consider extra friction due to fabricator/installer mistakes.
Tube selection should take into consideration the max allowed deflection which varies with weight and width of the blind.

ADAPTERS

■ **DC30** range motors

Drive wheel Crown adapter


Code: AX3.01P138
Tube: Round tube 1"-½ / 38 mm

AXRRF3
ADAPTOR FROM XSDC30 TO XS/XQ40 MOTOR CROWN

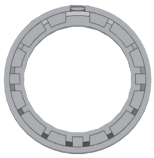
■ **40** range motors

Drive wheel **Crown adapter**


Code: AX4.01P061
Tube: Round for 2"/50mm

Drive wheel **Crown adapter**

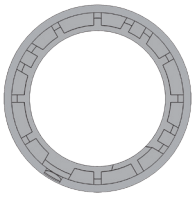

Code: AX4.01P078
Tube: Round for 48 mm



Code: AXRRF4
ADAPTOR FROM XQ40 TO XQ50 MOTOR CROWN

■ **50** range motors

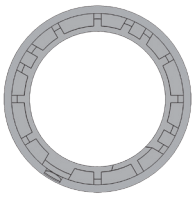
Drive wheel **Crown adapter**

Code: AXR50
Tube: Round 2"/50 mm

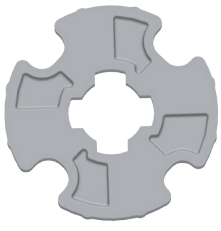
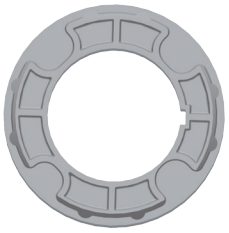
Drive wheel **Crown adapter**


Code: AX06.EC
Tube: Round 2"-½/73 mm

Code: AX5.01P079
Tube: Round 2"/50 mm with grooves


Code: AX5.01P205
Tube: Round 3"-¼/83 mm

Code: AXGS78M
Tube: 2.75" with grooves

Accessories

BC312.USA

Li-Ion battery charger
Input: 100-240 VAC - 50/60 Hz - 0.5 A Max
Output: 12.6 VDC - 1000 mA
Dimensions: 1.5748 x 2.2834 x 1.2598 in
Cable length: 11.8110 in

Motors

XSDC3EZ228B
XSDC3EZ030B

TRASDC3.120

Switching power supply 2 Amps
Input: 100-240 VAC - 50/60 Hz - 1.5 A Max
Output: 24 VDC - 2.0 A
Dimensions: 1.8110 x 3.4645 x 1.4960 in
Cable length: 11.8110 in

Motors

XSDC3EZ128
XSDC3EZ228

TRAS.120

Switching power supply 2.5 Amps

Motors

XSDC5EZ815
XSDC5EZ428

FLAX14W007.L1 (15.5 cm)
FLAX14W007.L2 (122 cm)
FLAX14W007.L3 (244 cm)

Power cord extension with plugs
(for Li-Ion battery motors)

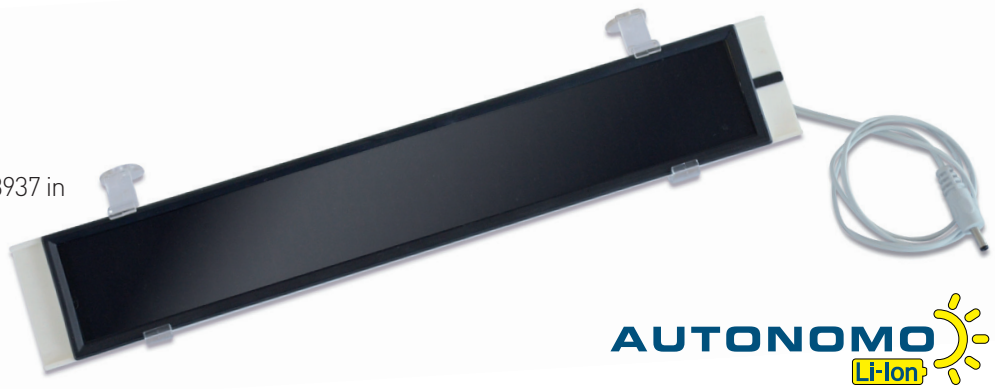
FLAX13W070

Plug-in power cable for XSC50 motor without dry contacts

FLAX13W065

Power cable for XSC50 motor with dry contacts

- SPM10
  Photovoltaic monocristalin panel
  Max power current: 100 mA
  Max power Voltage: 18 V
  Maximum power: 1.8 W
  Dimensions: 11.4960 x 1.8897 x 0.3937 in
  Cable length: 2.3622 in



Power distribution panels 24V DC

ARM**4**

Power supply for 4 XSDC30 motors

Technical details

Input voltage	100-240Vac 50/60Hz - 3.6 A
Output	4x 24 VDC - 10 A
Motor connections	4
Working temperature	-22°F /+158°F
Dimensions	5.24 x 8.19 x 3.15 in

ARM**5**

Power supply for 5 motors with dry contact input for each motor and for group control

Technical details

Input voltage - Amps	100-120Vac 50/60Hz - 6.0 A
	200-240Vac 50/60Hz - 4.8 A
Output Voltage	5 x 24 VDC - 10 A
Motor connections	5 DC power + 5 Dry contacts
Working temperature	-22°F /+158°F
Protection fuse	4.0 A
Dimensions	12.01 x 8.27 x 4.72 in

EMITTO SMART16 Transmitters

Inspired by the elegant and modern design of the *Smart Line* range, the new transmitter *SMART16* is the latest addition of this product line. It can control up to 16 channels in a simple and user-friendly way, through its comfortable LCD display

QCTZ16SY / QCTZ16Y

A 16 channel remote with LCD display

- 16 channels for individual control
- Possibility to create and control 8 custom groups in addition to all channels
- Hide the unused channels
- Magnetic wall mount bracket
- Timer functions (only for QCTZ16**S**Y)

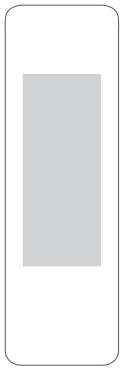
QCTZ16SY

QCTZ16Y

Technical details

Channels	16
Frequency	434.15 MHz
Power supply	3V - CR2450
Battery life	2 years
Radiated power	<10 mW
Protection rate	IP30
Coverage (int/ext)	65 / 600 ft
Encoding	RC Gaposa
Working temperature	14°F / 104°F

Dimensions (in)



1.85 x 5.91 x 0.47 in

Magnetic wall support (included)

QCTB

EMITTO SMARTLINE Remote controls

A collection of remote controls for interior window coverings and exterior solar protections. They are either single channel or 5 channels and each channel allows users to operate their motorized products. Each channel can control one individual motor or one group of motors.

Hand-held remotes
1 Channel

QCTZ01H

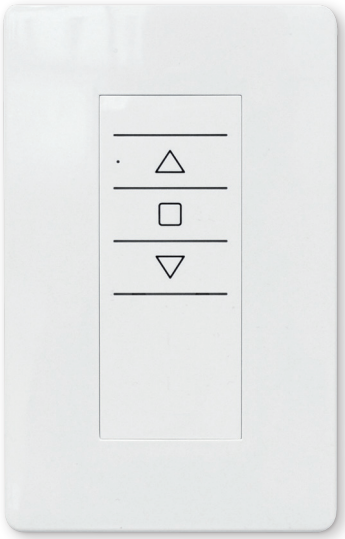
QCTZ01Y

Hand-held remotes
5 Channels with Preset/
All pushbuttons

QCTZ02H

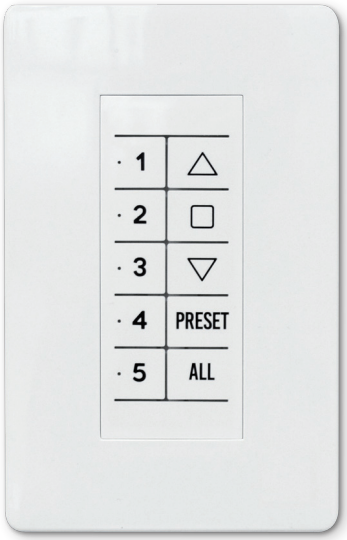
QCTZ02Y

Wireless Wall Switches
1 Channel



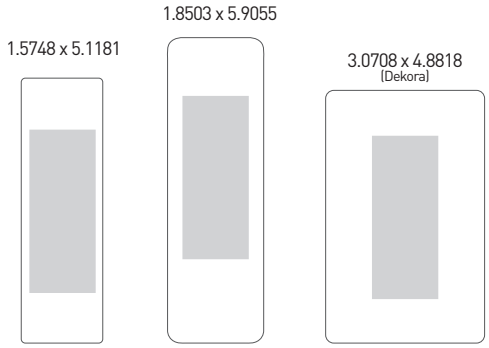
QCTZ01D

Wireless Wall Switches
5 Channels with Preset/
All pushbuttons



QCTZ02D

Dimensions (in)



Technical details

Channels	1 to 5
Frequency	434.15 MHz
Power supply	3V mod. CR2032
Battery life	2 years
Radiated power	<10 mW
Protection rate	IP40
Coverage (int/ext)	65 / 600 ft
Encoding	RC Gaposa
Working temperature	14°F / 104°F

Home automation

Available on:

Download on the App Store

GET IT ON Google Play

Gaposa Hub

Wi-Fi Router

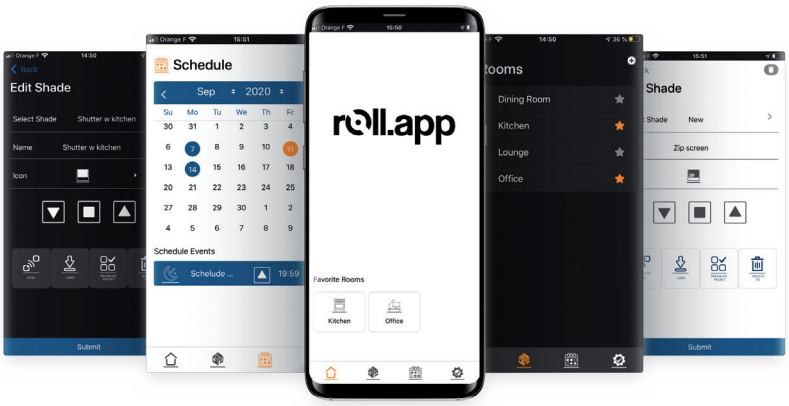
roll.app

Smartphone / tablet

Gaposa radio motors and devices

Features

- Control up to 32 different Gaposa motorized products from the app from anywhere you are.
- Create as many rooms as you want
- Create up to 6 favorite rooms that can be easily accessed from the home screen.
- Easily control your shades from the room page with control for UP, STOP, DOWN, and PRESET position.
- Set limits from the app
- Synchronize motors with the app easily with no need for an existing remote.
- Set up to 10 schedules Each schedule can automate Up, Down, and Preset commands, and have them repeat every day of the week or none of them.
- Schedules can utilize your location to set your shades to go up or down with the sun.
- Schedules can be enabled or disabled so you can make a schedule for when you are away and disable it when you are home.
- Light and Dark Mode options to change the app background.



works with the Google Assistant

WORKS WITH amazon alexa

Gaposa 3rd party integration via dry contacts with: *Lutron, Savant, Control4, Crestron*

QCTZ3SDU

1 channel

QCTZ36SDU

6 channels

Panels with integrated transmitter enables to interface a radio motors with a home automation system. In this way, the home automation system will control the radio motor(s) through the UP/STOP/DOWN signals.

Power supply	120V~ - 60 Hz (±10%)
Frequency	434.15 MHz
Fuse	315 mA
Protection rate	IP44
Working temp.	14°F / 104°F

RS232 integration

Models

- linkIT-US16 16 channels (434.15 MHz)
- linkIT-US24 24 channels (434.15 MHz)

Control

- 16-24 blinds or groups per device
- Up – Down – Stop
- Intermediate position
- Tilting

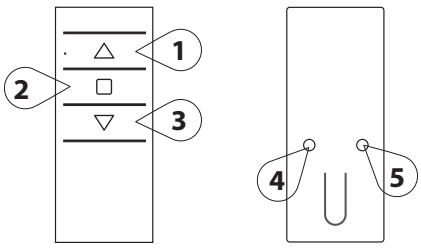
Integrations

- RS232 via RJ9

Hardware

- Very small dimensions
- Visible feedback
- Exterior antenna for increased range
- LED for power
- Upgradable
- Interconnectable
- 5V power input

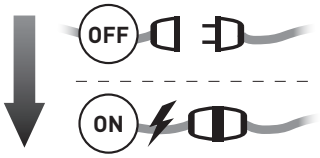
PROGRAMMING QUICK GUIDE



The buttons shown on the left are used to program the transmitters and specific channels. The programing button's (buttons 4 and 5) locations can be placed differently depending on the transmitter model. Shown in this guide is the Emitto Slim line transmitter.

UP *(1)*	the motor lifts the rolling shade/awning up	**SYNC** *(4)*	program the transmitter
STOP *(2)*	the rolling shade/awning stops	**LIMIT** *(5)*	set limits
DOWN *(3)*	the rolling shade/awning goes down		

CONNECT POWER TO THE MOTOR



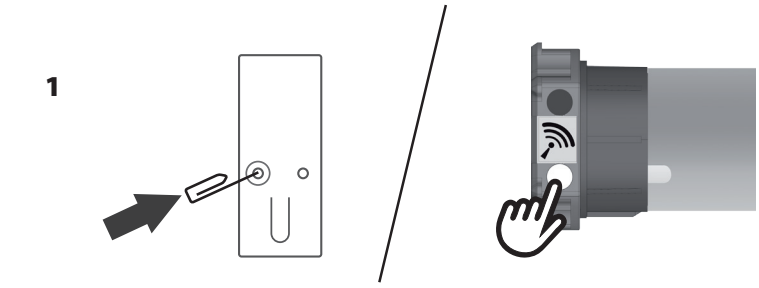
PROGRAMMING A TRANSMITTER (Sec. 1)

1 Press and hold **SYNC** button on the back of transmitter or the white button on the head of the motor until the motor starts moving

2 Check the motor rotation (**UP** or **DOWN**) then release the **SYNC** button or the white button (the motor now stops)

3 Within 5 seconds, press the corresponding button (**UP** if the motor turns upwards or **DOWN** if the motor turns downwards.) This will set the direction of the motor. If the incorrect button is pressed, the controls will be reversed. To fix, see Sec. 3.

Transmitter is now programmed



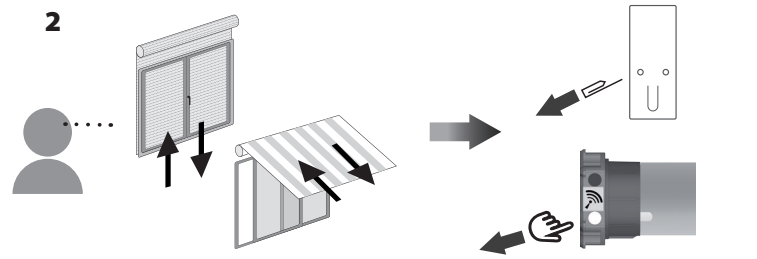
ADDING A NEW TRANSMITTER (Sec. 2)

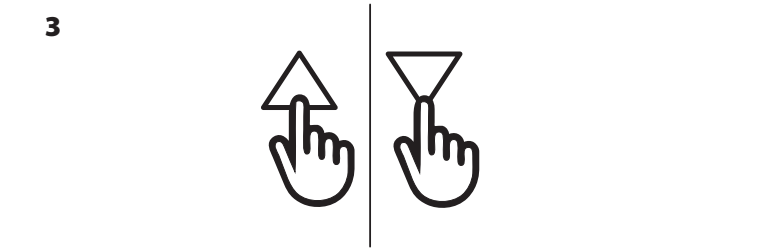
1 Press and hold the **SYNC** button on the back of a transmitter **ALREADY** paired until the motor starts moving in one direction

2 Check the motor rotation (**UP** or **DOWN**) then release the **SYNC** button (the motor now stops)

3 Within 5 seconds, press the corresponding button (**UP** if the motor turns upwards or **DOWN** if the motor turns downwards) on the NEW transmitter being added. This will set the direction of the motor. If the incorrect button is pressed, the controls will be reversed. To fix, see Sec. 3.

Additional transmitter is now added





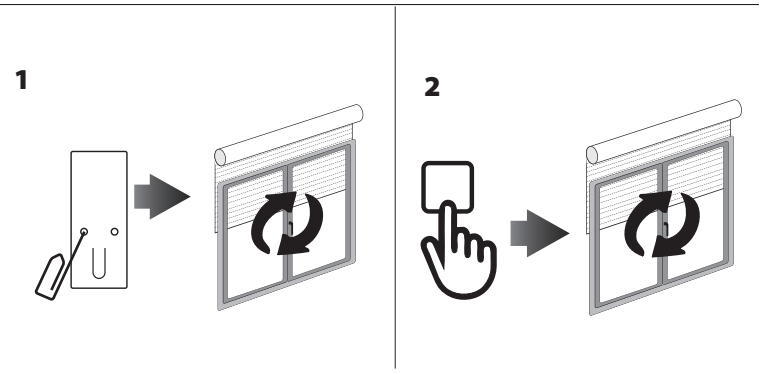
CHECKING / CHANGING DIRECTION (Sec. 3)

To check the direction, press the UP or DOWN button. The motor will go UP or DOWN accordingly, if the direction needs to be changed:

1 Press and hold the SYNC button on the back of transmitter until the motor starts moving

2 Press the STOP button; the motor makes a brief jog. The direction of the motor has been reversed

IMPORTANT: the change of direction of procedure must be performed before initiating the limit setting procedure, otherwise limits must be reset



SETTING THE LIMITS (Sec. 4)
IT IS MANDATORY TO SET THE "UP" LIMIT FIRST EVERY TIME

Run the motor to an intermediate position inbetween the two desired limits. The motor needs to move in the direction of the limit in order for the limit to be properly set.

1 Press and hold the LIMIT button on the back of transmitter until the motor makes a brief jog

Note: during "limit setting mode" the operations are in "deadman control" (The UP and DOWN buttons must be held down inorder to move the motor.)

2 Press and hold the UP button and run the motor to the desired UP limit position.

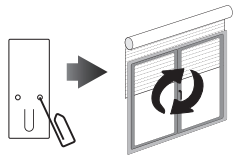
3 Press the STOP button to set the UP limit position. The motor makes a brief jog to confirm.

4 Press and hold the DOWN button and run the motor to the desired DOWN limit position

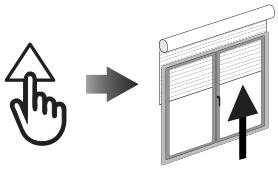
5 Press the STOP button to set the DOWN limit position. The motor makes a brief jog to confirm.

Note: Accurate limit setting can be performed by pressing the LIMIT button a second time: the motor will then will reduce its output speed, moving slowly in steps towards the desired limit. Always press the STOP button to set the limit position.

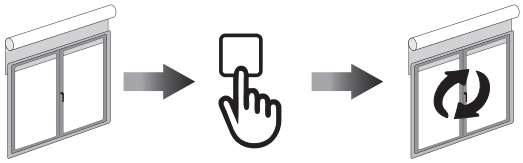
1



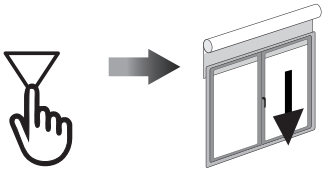
2



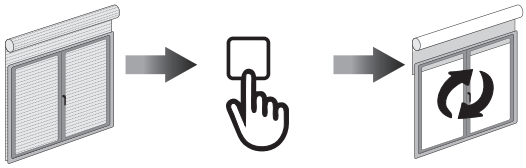
3



4



5



SETTING THE LIMITS INDIVIDUALLY (Sec. 5)

If the limits need to be changed after the initial limit setting procedure, it is possible to change the limit positions individually. One limit can be set without the other limit needing to be set. The motor can be in any postion to initiate the procedure.

TO CHANGE THE UP LIMIT:

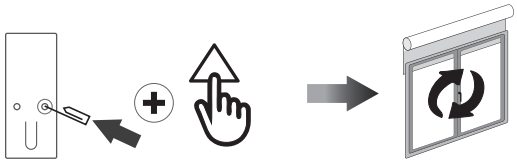
1 From any point between the existing limits, press and hold both the LIMIT button and the UP button until the motor makes a brief jog.

Note:during "limit setting mode" the operations are in "deadman control" (The UP and DOWN buttons must be held down inorder to move the motor.)

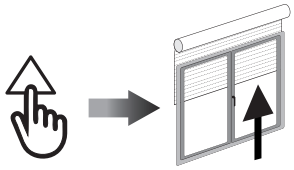
2 Press and hold the UP button until the desired new UP limit is reached.

3 Press the STOP button to set the limit. The motor makes a brief jog to confirm. The new UP limit is set.

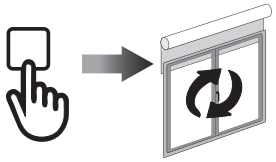
1



2



3



TO CHANGE THE DOWN LIMIT:

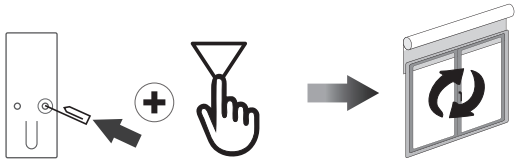
1 From any point between the existing limits, press and hold both the LIMIT button and the DOWN button until the motor makes a brief jog.

Note: during "limit setting mode" the operations are in "deadman control" (The UP and DOWN buttons must be held down inorder to move the motor.)

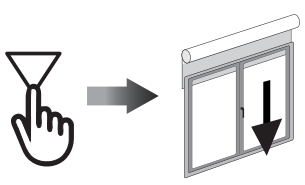
2 Press and hold the DOWN button until the desired new DOWN limit is reached

3 Press the STOP button to set the limit. The motor makes a brief jog to confirm. The new DOWN limit is set.

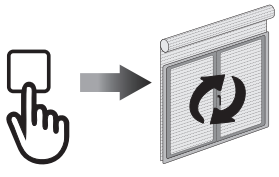
1

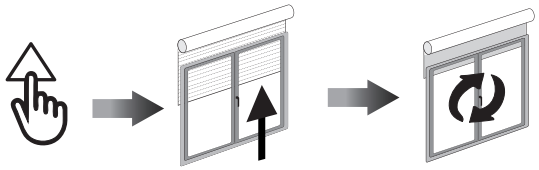


2



3

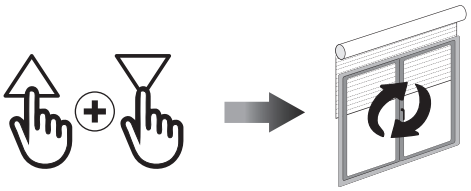




AUTOMATIC SETTING OF THE LIMITS (Sec. 6)

For limits set with torque sensor (mechanical stop of shutters or cassette awnings/ shades), press and hold the UP button until the bottom bar hits the cassette or shutter box. A short jog will indicate that the UP position has been memorized.
The same procedure can be followed for the DOWN limit but only for roller shutters.

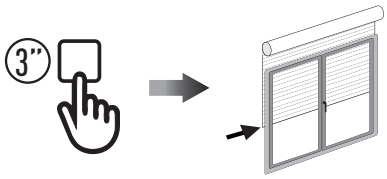
PREFERRED POSITION (Sec. 7)



1. SETTING AN PREFERRED POSITION

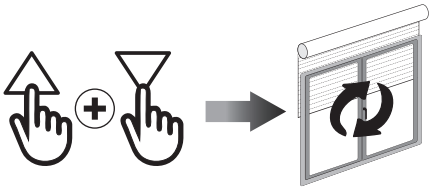
Operate the motor to and stop it at the desired intermediate position, then press both the UP and DOWN buttons together until the motor makes a brief jog to confirm.

The intermediate position is now set.



2. RECALLING THE PREFERRED POSITION

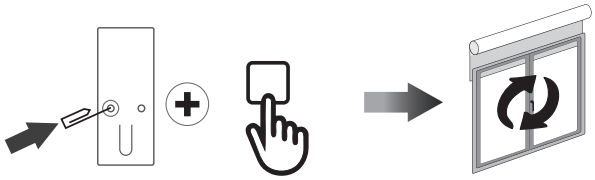
Press and hold the STOP button for 3 seconds: the motor will move to and stop at the intermediate position.



3. ERASING THE PREFERRED POSITION

Press both the UP and DOWN buttons until the motor makes a brief jog to confirm.

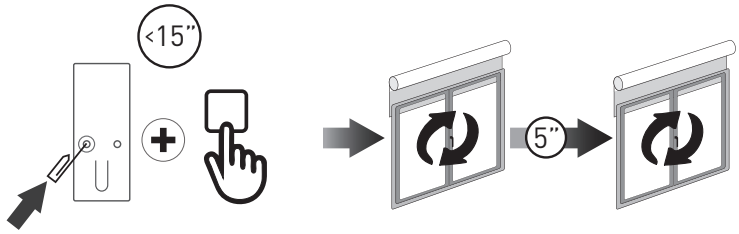
The intermediate position is now erased.



DELETING A TRANSMITTER OR A CHANNEL (Sec. 8)

Using the transmitter to be deleted press and hold both the SYNC and STOP buttons untill the motor makes a brief jog to confirm.

Only the transmitter used for this procedure has been deleted from motor memory

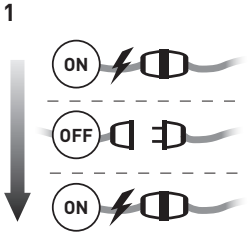


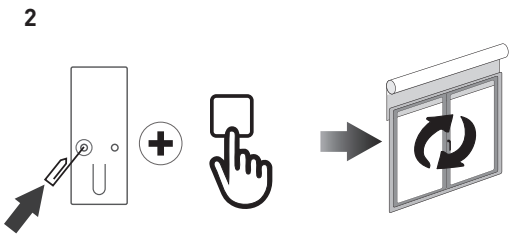
RESET TRANSMITTER MEMORY (Sec. 9)
(DELETING ALL THE TRANSMITTERS OR CHANNELS OR SENSORS)

Option 1 - Using a programmed transmitter

Press and hold both the SYNC and STOP buttons for at least 15 seconds: to confim that the operation has completed, the motor first makes a brief jog and after 5 seconds it makes an additional jog. This operation will not be successful unless it makes both jogs.

Memory is now empty



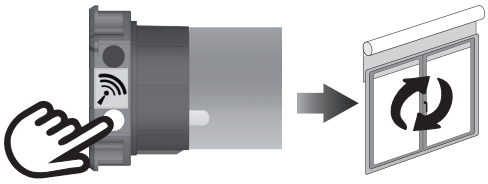


Option 2 - Using a new transmitter without ID (not paired).

1 Switch the power to the motor OFF, then switch it back ON.

2 Within 8 seconds, using any Gaposa transmitter, press and hold both the **SYNC** and **STOP** buttons until the motor makes a jog.

Memory is now empty



Option 3 - White button on the head of the motor

Press and hold the white button on the head of the motor until it makes a jog.

All transmitters have been erased.