



Value moves the world



IL 195
EDIZ. 06/04/2017

CU1

I

**CENTRALE DI COMANDO DA
ESTERNO PER AUTOMAZIONI DI
TENDE O TAPPARELLE**

GB

**EXTERNAL CONTROL UNIT FOR
THE AUTOMATION OF AWNINGS
OR ROLLING SHUTTERS**

F

**ARMOIRE DE COMMANDE
D'EXTÉRIEUR POUR
L'AUTOMATISATION DE STORES
ET VOLETS ROULANTS**

E

**CUADRO DE MANIOBRAS
PARA TOLDOS Y PERSIANAS
DOMESTICAS CON MOTOR
TUBULAR**

P

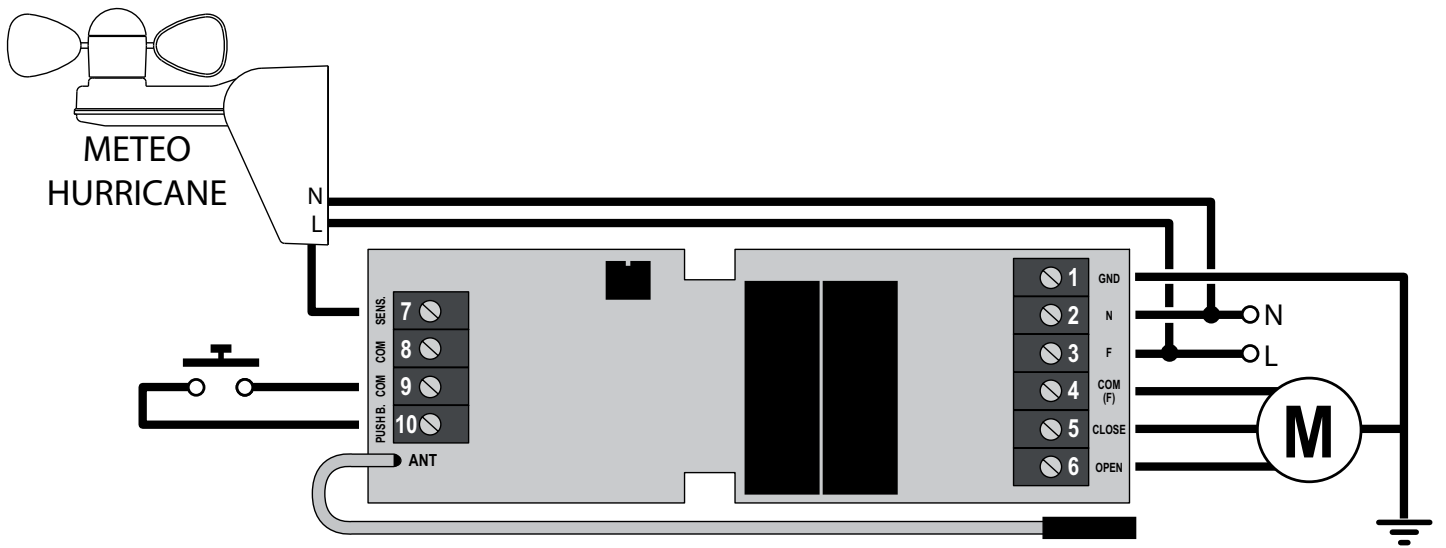
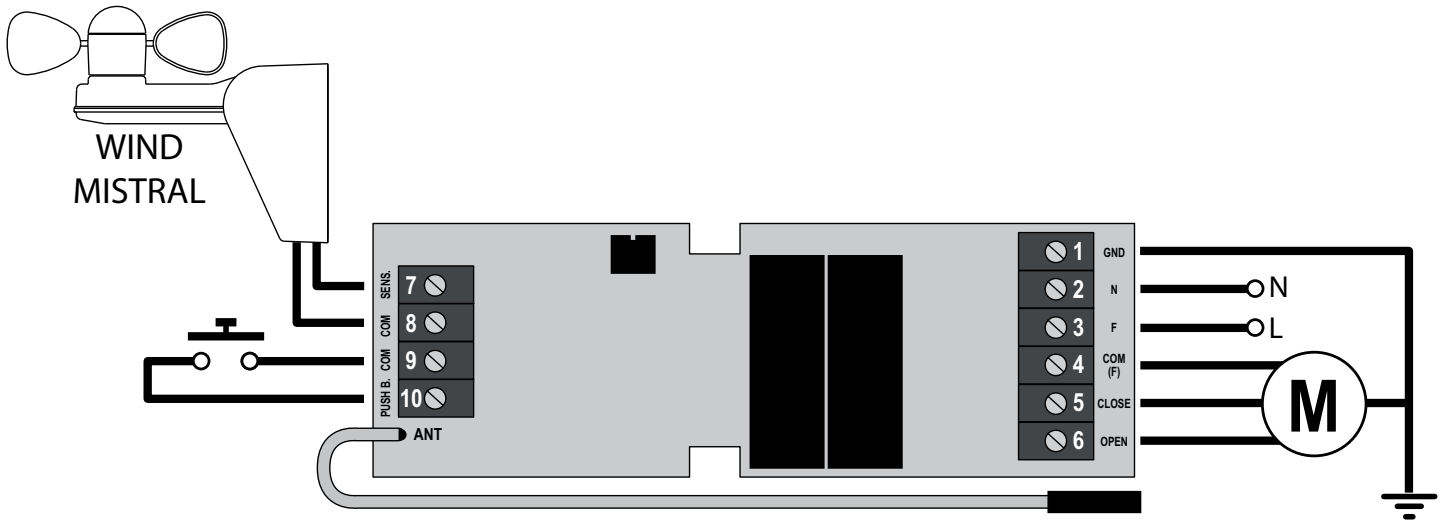
**QUADRO ELÉTRICO DE EXTERIOR
PARA A AUTOMATIZAÇÃO DE
TOLDOS OU PERSIANAS**

D

**AUSSENSTEUERUNG ZUR
AUTOMATION VON MARKISEN
UND ROLLLÄDEN**

NL

**EXTERNE BESTURINGSEENHEID
VOOR DE AUTOMATISERING VAN
ZONWERINGEN OF ROLLUIKEN**



I	COLLEGAMENTI
1.	GND cavo di terra
2.	Neutro alimentazione
3.	Fase alimentazione
4.	Comune motore
5.	Chiusura motore
6.	Apertura motore
7. - 8.	Sensore di vento (WIND/MISTRAL)
7.	Sensore METEO/HURRICANE
9. -10.	Pulsante esterno (Contatto N.A.)

GB	CONNECTIONS
1.	GND earth wire
2.	Neutre power supply
3.	Phase power supply
4.	Motor common
5.	Motor closing
6.	Motor opening
7. - 8.	Wind sensor (WIND/MISTRAL)
7.	Sensor (METEO/HURRICANE)
9. -10.	External switch (N.O. contact)

F	BRANCHEMENTS
1.	GND cable de terre
2.	Neutre alimentation
3.	Phase alimentation
4.	Commun moteur
5.	Fermeture moteur
6.	Ouverture moteur
7. - 8.	Capteur de vent (WIND/MISTRAL)
7.	Capteur (METEO/HURRICANE)
9. -10.	Bouton externe (N.O. contact)

E	CONEXIONES
1.	GND cable de tierra
2.	Neutro alimentación
3.	Fase alimentación
4.	Común motor
5.	Cierre motor
6.	Apertura motor
7. - 8.	Sensor de viento (WIND/MISTRAL)
7.	Sensor METEO/HURRICANE
9. -10.	Pulsador exterior (Contacto N.A.)

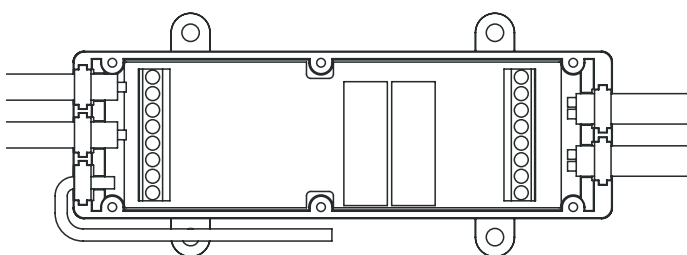
P	LIGAÇÕES
1.	GND cabo de terra
2.	Neutro alimentação
3.	Fase alimentação
4.	Motor comum
5.	Fecho motor
6.	Abertura motor
7. - 8.	Sensor de vento (WIND/MISTRAL)
7.	Sensor METEO/HURRICANE
9. -10.	Botão externo (Contacto N.A.)

D	ANSCHLÜSSE
1.	GND Erdungskabel
2.	Nullleiter Stromzufuhr
3.	Phase Stromzufuhr
4.	Netz Motor
5.	Schließen Motor
6.	Öffnen Motor
7. - 8.	Windsensor (WIND/MISTRAL)
7.	Sensor (METEO/HURRICANE)
9. -10.	Externe Taste (Schließerkontakt)

NL	AANSLUITINGEN
1.	GND aarding
2.	Neutraal
3.	Fase
4.	Motor
5.	Sluiting motor
6.	Opening motor
7. - 8.	Windmeter (WIND/MISTRAL)
7.	Sensor (METEO/HURRICANE)
9. -10.	Externe drukknop (N.O. contact)

IMPORTANT REMARKS

- Attention: for people safety it is important to follow carefully the instructions. Keep the instructions.
- Important safety instructions for the installation. Attention: a wrong installation can cause serious accidents. Follow carefully the installation instructions.
- This device can be installed only from qualified persons.
- As regards insulation, the features of push buttons must be suitable for electrical installations (230VAC - 50Hz / 120VAC - 60Hz).
- In order to protect the device, the installer must provide for a magnetothermal differential switch (separation among the contacts: at least 3 mm), ensuring the omnipolar sectioning from the power supply.
- In order to grant the tightness of the case it is necessary to remove the protective sleeve of the cables used for wiring (see the picture).



EU DECLARATION OF CONFORMITY

V2 S.p.A. hereby declare that CU1 products conform to the essential requirements established in the following directives:

- 2014/30/UE (EMC Directive)
- 2014/35/UE (Low Voltage Directive)
- 2014/53/UE (Radio Directive)
- ROHS2 2011/65/CE

Racconigi, li 01/06/2015
V2 S.p.A. legal representative.
Giuseppe Pezzetto

DESCRIPTION

This automatic opening system consists of a control unit with the following features:

- It is provided with a 434.15 MHz super-heterodyne radio receiver.
- Up to 48 different channel can be stored on each central unit.
- It is driven by means of transmitters PROTEO, DUO, ARTEMIS, ADLER and DEV-T1.
- It is possible to drive the awning / rolling shutter also by mean of an external push-button (type: Normally Open, each series or model).
- The programming phase can be effected via radio or by means of an external switch.
- It is necessary to use a sesor model WIND, MISTRAL, METEO, HURRICANE.

TECHNICAL SPECIFICATIONS

Power supply: 230VAC - 50/60Hz / 120VAC - 60Hz

Relay contact capacity: 10A

Sensitivity of receiver: -105 dBm @ S/N = 17 dB (m = 100%)

Protection: IP55

FUNCTIONING WITH EXTERNAL WIRED SWITCH

Pressing the external wired switch, the control unit has the following functioning logic:

OPENS ⇔ STOPS ⇔ CLOSES ⇔ STOPS ⇔ OPENS ...

FUNCTIONING WITH TRANSMITTERS

At each push button pressure, the functioning logic is the following.

UP: CLOSES ⇔ CLOSES ⇔ CLOSES

STOP: STOPS ⇔ STOPS ⇔ STOPS

DOWN: OPENS ⇔ OPENS ⇔ OPENS

SENSOR ACTIVATION

To activate the sensors function, at least one transmitter must be stored.

IMPORTANT:

- Anemometer causes inhibition of functioning of both radio transmitter and external push button for ca. 8 minutes.
- The anemometrical sensor should be installed close to the awnings, in order to avoid damages in case of very strong wind.

WORKING TIME OF MOTOR

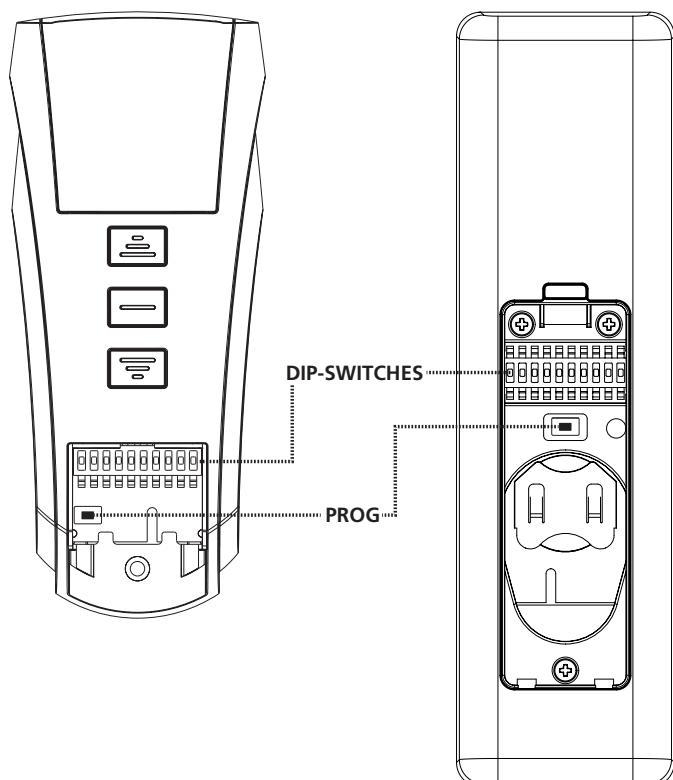
The control unit stops the motor movement after 2 minutes: in case of limit switches malfunction this "time out" avoids the motor overheating.

TRANSMITTERS OF THE RANGE PROTEO / DUO

Using a transmitter of the range PROTEO / DUO it is possible changing the functions of the control unit controlling the tubular motor.

The transmitter is equipped with a 10 switches dip-switch thanks to which it is possible to change the desired functions: set on ON the switch corresponding to the function required and follow carefully the dedicated procedure.

WARNING: all the other switches have to be set on OFF



SWITCH	FUNCTION
1	Storage of the transmitters
3	Deletion of all the stored transmitters
7	Storing of the level of intervention of the wind sensor
8	Programming of the level of intervention of the sun sensor
10	Programming of the level of temperature
2 - 4 - 5 6 - 9	NOT USED

SWITCH 1: STORAGE OF THE TRANSMITTERS

WARNING: the first transmitter stored fixes the direction of motion of the motor.

To store a transmitter TX1 on a blank control unit proceed as follows:

1. Power only the control unit to be programmed
2. Set on ON the switch 1 of the transmitter.
3. Multichannel transmitter only: press several times the key SELC of the transmitter TX1 until displayed the selected channel (by the leds or on the display).
4. Press and keep pressed (for about 5 seconds) the key PROG of the transmitter TX1 until the motor starts to move in one way.
5. Release the key PROG: the motor stops.
6. Press the keys UP or DOWN depending on the way of motion of the roll-up shutter before stopping:
 - if the roll-up shutter was going up, press the key UP; direction acquired: the key UP moves the roll-up shutter UPWARDS, the key DOWN moves the roll-up shutter DOWNWARDS.
 - if the roll-up shutter was going down, press the key DOWN; direction acquired: the key DOWN moves the roll-up shutter DOWNWARDS, the key UP moves the roll-up shutter UPWARDS.
7. Set the switch 1 to OFF.
8. Try to operate the roll-up shutter and check that it works with the logic above described. If the logic is reversed, it is necessary to delete all the codes stored (read Switch 3) and start again the above procedure.

To add another transmitter TX2 to the control unit it is necessary to use a remote control previously stored (TX1) and proceed as follows:

1. Multichannel transmitter only: press several times the key SELC of the transmitter TX1 until displayed the channel stored (by the leds).
2. Multichannel transmitter only: press several times the key SELC of the new transmitter TX2 until display the channel to be stored (by the leds).
3. Take the roll-up shutter to half its way with TX1.
4. Set to ON the switch 1 of the transmitter TX1.
5. Press and keep pressed for about 5 seconds the key PROG of the TX1 until the motor starts to move.
6. Release the key PROG, the motor stops.
7. Press the key UP or DOWN of the TX2: the transmitter is stored with the same logic of the TX1.

SWITCH 3: DELETION OF ALL THE STORED TRANSMITTERS


To delete all the transmitters stored on the control unit it is necessary using a remote control previously stored and proceed as follows:

1. Power only the control unit to be programmed
2. Multichannel transmitter only: press several times the button SELC on the transmitter until displayed the channel stored (by the leds)
3. Position the roll-up shutter at the mid-height.
4. Set on ON the switch 3 of the transmitter.
5. Press and keep pressed the button PROG of the transmitter until the motor moves in both the ways for 1 second, showing the end of deletion.
6. Release the button PROG and set on OFF the switch 3 of the transmitter.

To delete all the codes by means of a transmitter non-stored, proceed as follows:

1. Position the retractable at the mid-height.
2. Switch off power supply of the system.
3. Set on ON the switch 3 of a transmitter.
4. Press and keep pressed the button PROG.
5. Supply power only to the control unit on which to make the deletion: after about 1 second the motor moves in both the ways showing the correct deletion.
6. Release the button PROG and set on OFF the switch 3.


SWITCH 7: STORING OF THE LEVEL OF INTERVENTION OF THE WIND SENSOR

 **WARNING:** to make the awning close, the wind sensor has to detect a value higher than the set threshold value for at least 5 seconds. The automation is blocked for 8 minutes when the awning is closed because of strong wind.

To set the level of intervention of the wind sensor it is necessary to use a remote control previously stored and proceed as follows:

1. Multichannel transmitter only: press several times the button SELC of the transmitter until shown by leds the channel stored.
2. Position the roll-up shutter at the mid-height
3. Set on ON the switch 7 of the transmitter.
4. Press and keep pressed (for 5 about seconds) the button PROG of the transmitter until the motor moves jerkily in both the ways showing that it enters the storing.
5. The number of jerks made by the motor corresponds to the level currently set:
1 jerk = level 1 = 10 Km/h
2 jerks = level 2 = 15 Km/h
3 jerks = level 3 = 20 Km/h
4 jerks = level 4 = 30 Km/h (default)
5 jerks = level 5 = 40 Km/h
6. To increase the level press button UP, to decrease it press button DOWN.
7. As soon as the control unit receives the control, it shows the new level moving the motor with the corresponding number of jerks.
8. To exit the programming press STOP: the motor displays again the set level and exits.

SWITCH 8: PROGRAMMING OF THE LEVEL OF INTERVENTION OF THE SUN SENSOR

 **WARNING:** to make the awning open the sun sensor has to detect a value higher than the set threshold value for at least 8 minutes. To make it close, the sensor has to detect a value lower than the set threshold value for at least 8 minutes. Interruptions of light (due to clouds) shorter than a minute are not detected, while the 8-minute timer is set at zero when longer than one minute.

To set the level of intervention of the sun sensor it is necessary to use a remote control previously stored and proceed as follows:

1. Multichannel transmitter only: press several times the button SELC of the transmitter until shown by leds the channel stored.
2. Position the roll-up shutter at the mid-height
3. Set on ON the switch 8 of the transmitter.
4. Press and keep pressed (for 5 about seconds) the button PROG of the transmitter until the motor moves jerkily in both the ways showing that it enters the storing.
5. The number of jerks made by the motor corresponds to the level currently set:
1 jerk = level 1 = 2 Klux
2 jerks = level 2 = 5 Klux
3 jerks = level 3 = 10 Klux (default)
4 jerks = level 4 = 20 Klux
5 jerks = level 5 = 40 Klux
6. To increase the level press button UP, to decrease it press button DOWN.
7. As soon as the control unit receives the control, it shows the new level moving the motor with the corresponding number of jerks.
8. To exit the programming press STOP: the motor displays again the set level and exits.
9. Set on OFF the switch 8

To disabling the sun sensor proceed as follows:

1. Multichannel transmitter only: press several times the button SELC of the transmitter until shown by leds the channel stored.
2. Position the roll-up shutter at the mid-height
3. Press the key STOP and immediately after the key DOWN (keeping pressed the key STOP) until the motor moves for about one second in both the ways, indicating that the procedure has been finished.

To enable again the sun sensor it is enough to repeat the procedure above using the key UP instead of the key DOWN.

SWITCH 10: PROGRAMMING OF THE LEVEL OF TEMPERATURE

The temperature can be set on 5 levels, under which the sun sensor must not open the awning, even if the light intensity has exceeded the level set by switch 8

This function is particularly useful in Countries with wintry weather, where sunny but very cold days are frequent. In this case, it is not necessary to open the awnings, to let the sun warm the inner rooms.

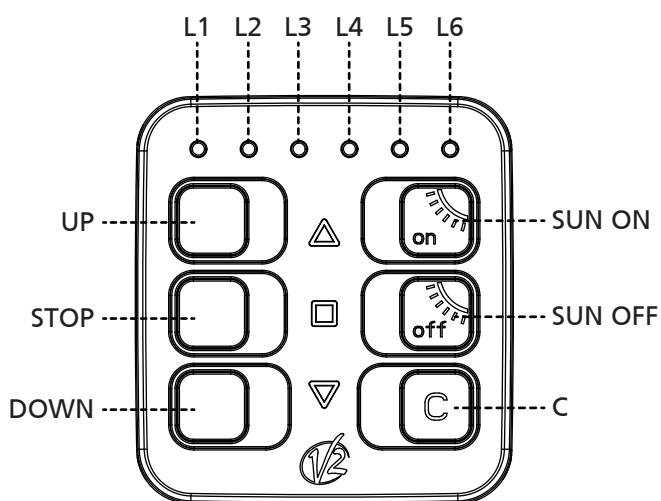
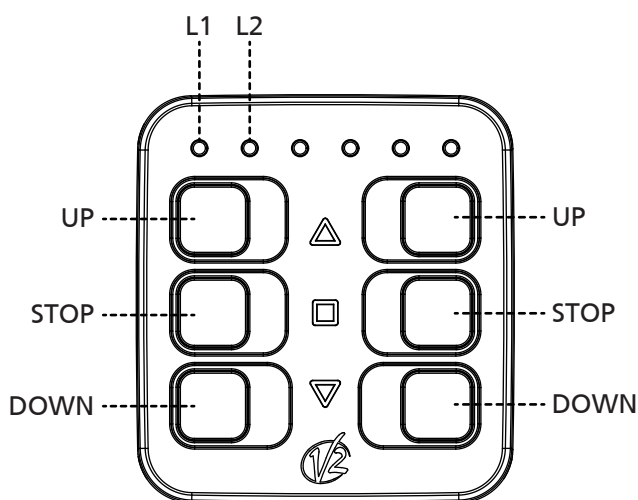
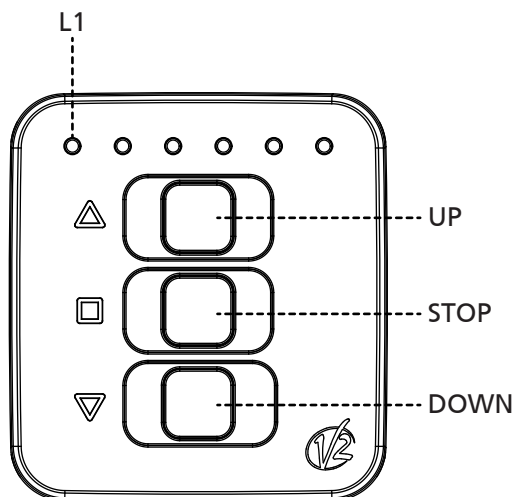
To set the level of temperature it is necessary to use a remote control previously stored and proceed as follows:

1. Multichannel transmitter only: press several times the button SELC of the transmitter until shown by leds the channel stored.
2. Position the roll-up shutter at the mid-height
3. Set on ON the switch 10 of the transmitter.
4. Press and keep pressed (for 5 about seconds) the button PROG of the transmitter until the motor moves jerkily in both the ways showing that it enters the storing.
5. The number of jerks made by the motor corresponds to the level currently set:

1 jerk	= level 1 = sensor disabled (default)
2 jerks	= level 2 = 0°C
3 jerks	= level 3 = 5°C
4 jerks	= level 4 = 10°C
5 jerks	= level 5 = 15°C
6. To increase the level press button UP, to decrease it press button DOWN.
7. As soon as the control unit receives the control, it shows the new level moving the motor with the corresponding number of jerks.
8. To exit the programming press STOP: the motor displays again the set level and exits.
9. Set on OFF the switch 10

ARTEMIS SERIES TRANSMITTERS

Using a transmitter of the ARTEMIS series you can change the functions of the control unit that drives the tubular motor.



FAST PROGRAMMING

RAPID TRANSMITTER DATA STORAGE

CAUTION: The data storage of the first transmitter determines the direction of motion of the motor.

CAUTION: If the awning has a casing carry out the data storage of the first remote control by following the procedure "TRANSMITTER DATA STORAGE"

To store your remote controls on a virgin control unit which drives a shutter or an awning (WITHOUT casing) proceed as follows:

1. Supply power only to the control unit to be programmed
2. Activate the programming by following one of these procedures

Artemis with 1 channel:

- Press and hold down the UP+DOWN keys until the motor starts to move in one direction

Artemis with 2 channels:

- Press the UP+DOWN keys of one of the two channels until the motor starts to move in one direction

Artemis with 6 channels:

- Select the channel to be programmed with the C key
- Press the UP+DOWN keys until the motor starts to move in one direction

3. Release the keys: the motor stops
4. Press the UP or DOWN keys according to the direction in which the roll-up shutter was moving before it stopped:
 - if the roll-up shutter was being raised press the UP key; direction obtained: the UP key raises the roll-up shutter, the DOWN key lowers the roll-up shutter
 - if the roll-up shutter was being lowered press the DOWN key; direction obtained: the DOWN key lowers the roll-up shutter, the UP key raises the roll-up shutter.
5. Programming is complete

To add additional remote controls, proceed as follows:

6. Press and hold down the UP+DOWN keys of a remote control which has already been programmed until the motor starts to move in one direction
7. Release the keys: the motor stops
8. Press the UP or DOWN key of the new remote control

ACTIVATION OF THE SUN SENSOR ON A CONTROL UNIT

Press and hold down the STOP+UP keys until the motor confirms the operation by moving in both directions.

DEACTIVATION OF THE SUN SENSOR ON A CONTROL UNIT

Press and hold down the STOP+DOWN keys until the motor confirms the operation by moving in both directions.

ADVANCED PROGRAMMING

To perform ADVANCED programming it is necessary to activate the programming by following one of the following procedures.

ACTIVATION OF PROGRAMMING

Artemis with 1 channel:

- Press the STOP+UP+DOWN keys until the 6 LEDs light up
- Release the keys: the programming remains active for 30 seconds during which the LEDs flash

Artemis with 2 channels:

- Press the STOP+UP+DOWN keys of the channel to be programmed until the LEDs light up
- Release the keys: the programming remains active for 30 seconds during which the LEDs flash

Artemis with 6 channels:

- Select the channel to be programmed with the C key
- Press the STOP+UP+DOWN keys until the 6 LEDs light up
- Release the keys: the programming remains active for 30 seconds during which the LEDs flash

Note: this procedure will be the same for the programming of all functions and will not be repeated in the following paragraphs

List of available functions:

1. Transmitter memorization and sunshade/roll-up shutter mode selection
2. Deletion of all memorized transmitters
3. Programming the wind sensor intervention threshold
4. Programming the sun sensor intervention threshold
5. Programming the temperature level

TRANSMITTER DATA STORAGE



CAUTION: The data storage of the first transmitter determines the direction of motion of the motor.

To store a transmitter on a virgin control unit proceed as follows:

1. Supply power only to the control unit to be programmed
2. Activate the ARTEMIS programming
3. Press the UP or DOWN key until the LED 1 lights up with solid light and the others flash.
4. Press the UP+DOWN keys until the motor starts to move in one direction
5. Release the keys, the motor stops
6. Press the UP or DOWN keys according to the direction in which the roll-up shutter was moving before it stopped:
 - if the roll-up shutter was being raised press the UP key; direction obtained: the UP key raises the roll-up shutter, the DOWN key lowers the roll-up shutter
 - if the roll-up shutter was being lowered press the DOWN key; direction obtained: the DOWN key lowers the roll-up shutter, the UP key raises the roll-up shutter.
7. To exit the programming mode press the STOP key
8. Try to operate the roll-up shutter and verify that it works according to the logic described above. If the logic is reversed it is necessary to delete all the codes stored (see "DELETION OF ALL MEMORIZED TRANSMITTERS") and repeat the steps above.

To add other remote controls follow steps 6, 7, 8 of the procedure "RAPID TRANSMITTER DATA STORAGE"

DELETION OF ALL MEMORIZED TRANSMITTERS


To delete all codes stored with an Artemis proceed as follows:

1. Supply power only to the control unit to be programmed
2. Activate the ARTEMIS programming
3. Press the UP or DOWN keys until the LED 3 lights up with solid light and the others flash
4. Press and hold down the UP+DOWN keys until the motor moves in both directions which confirms the correct deletion of the codes.
5. Release the keys
6. To exit the programming mode press the STOP key

To delete all codes NOT stored with an Artemis proceed as follows:

1. Cut the power to the motor on which to delete all the codes
2. Activate the ARTEMIS programming
3. Press the UP or DOWN keys until the LED 3 lights up with solid light
4. Press and hold down the UP+DOWN keys
5. Power the motor and wait until the motor moves in both directions which confirms the correct deletions of the codes
6. To exit the programming mode press the STOP key


PROGRAMMING THE WIND SENSOR INTERVENTION THRESHOLD

 **CAUTION:** to trigger the closing of the sunshade, the wind sensor must detect a value greater than the set threshold for at least 5 seconds. The closure of the sunshade caused by strong wind stops the automated system for 8 minutes.

To set the wind sensor intervention threshold, it is necessary to use a remote control previously stored and proceed as follows:

1. Supply power only to the control unit to be programmed
2. Activate the ARTEMIS programming
3. Press the UP or DOWN keys until the LEDs 1+2 light up with solid light and the others flash
4. Press the UP+DOWN keys until the motor moves in jerks which confirms it is entering the programming phase.
The number of jerks made by the motor corresponds to the level currently set:
1 jerk = level 1 = 10 Km/h
2 jerks = level 2 = 15 Km/h
3 jerks = level 3 = 20 Km/h
4 jerks = level 4 = 30 km/h (default value)
5 jerks = level 5 = 40 Km/h
5. Release the keys
6. To increase the level press the UP key and to decrease it press the DOWN key, as soon as the control unit receives the command, it shows the new level by operating the motor with a corresponding number of jerks
7. When the desired value is reached, press the STOP button: the control unit will show the set value again to confirm
8. To exit the programming mode press the STOP key

PROGRAMMING THE SUN SENSOR INTERVENTION THRESHOLD

 **CAUTION:** to trigger the opening of the sunshade, the sun sensor must detect a value greater than the set threshold for at least 8 minutes. To trigger the closing, the sensor must detect a value below the set threshold for at least 8 minutes. Interruptions of light (due to clouds) shorter than 1 minute are not detected, while if they exceed 1 minute, the 8-minute timer is reset.

To set the sun sensor intervention threshold, it is necessary to use a remote control previously stored and proceed as follows:

1. Supply power only to the control unit to be programmed
2. Activate the ARTEMIS programming
3. Press the UP or DOWN keys until the LEDs 1+2 light up with solid light and the others flash

4. Press the UP+DOWN keys until the motor moves in jerks which confirms it is entering the programming phase.
The number of jerks made by the motor corresponds to the level currently set:
1 jerk = level 1 = 2 klux
2 jerks = level 2 = 5 klux
3 jerks = level 3 = 10 klux (default value)
4 jerks = level 4 = 20 klux
5 jerks = level 5 = 40 klux
5. Release the keys
6. To increase the level press the UP key and to decrease it press the DOWN key, as soon as the control unit receives the command, it shows the new level by operating the motor with a corresponding number of jerks
7. When the desired value is reached, press the STOP button: the control unit will show the set value again to confirm
8. To exit the programming mode press the STOP key

PROGRAMMING THE TEMPERATURE LEVEL

This function allows you to adjust the temperature to 5 levels, below which the sun sensor must not open the sunshade, even if the light intensity exceeds the level set.

This feature is particularly useful in countries with a cold climate, where sunny days are frequent but very cold. In these situations, it is not necessary to open the sunshade that would prevent the sunlight from heating the indoor environment.

To set the temperature level, it is necessary to use a remote control previously stored and proceed as follows:

1. Supply power only to the control unit to be programmed
2. Activate the ARTEMIS programming
3. Press the UP or DOWN keys until the LEDs 1+2 light up with solid light and the others flash
4. Press the UP+DOWN keys until the motor moves in jerks which confirms it is entering the programming phase.
The number of jerks made by the motor corresponds to the level currently set:
1 click = level 1 = sensor disabled (default value)
2 clicks = level 2 = 0°C
3 clicks = level 3 = 5°C
4 clicks = level 4 = 10°C
5 clicks = level 5 = 15°C
5. Release the keys
6. To increase the level press the UP key and to decrease it press the DOWN key, as soon as the control unit receives the command, it shows the new level by operating the motor with a corresponding number of jerks
7. When the desired value is reached, press the STOP button: the control unit will show the set value again to confirm
8. To exit the programming mode press the STOP key

TRANSMITTERS OF THE RANGE ADLER

Using a transmitter of the range ADLER it is possible changing the functions of the control unit controlling the tubular motor.

QUICK STORAGE OF THE TRANSMITTER

CAUTION: the first transmitter recorded determines the direction of the motor's movement.

CAUTION: If the sunshade has a casing, record the first remote control by following the procedure "1. Record the transmitters and select the sunshade mode"

To record remote controls for a new control unit that drives a shutter or a sunshade (NOT with casing) proceed as follows:

1. Power only the control unit to be programmed
2. Press and hold down UP and DOWN until the motor starts to move in a direction
3. Release the buttons: the motor will stop
4. Press UP or DOWN following the direction the roll-up shutter moved prior to stopping:
 - if the roll-up shutter was rising, press UP; direction acquired: the UP button raises the roll-up shutter, the DOWN button lowers the roll-up shutter
 - if the roll-up shutter was lowering, press DOWN; direction acquired: the DOWN button lowers the roll-up shutter, the UP button raises the roll-up shutter
5. End of programming

To add other remote controls, proceed as follows:

6. Press and hold down the UP and DOWN buttons of a remote control that is already recorded until the motor starts to move in a direction
7. Release the buttons: the motor will stop
8. Press the UP or DOWN button on the new remote control

ADVANCED PROGRAMMING

To perform ADVANCED programming it is necessary to remove the cover plate of the remote control and carefully follow the dedicated procedures for the various functions.

Each function can be selected by entering a code during the programming procedure; following is a summary table of the functions with their relative programming codes.

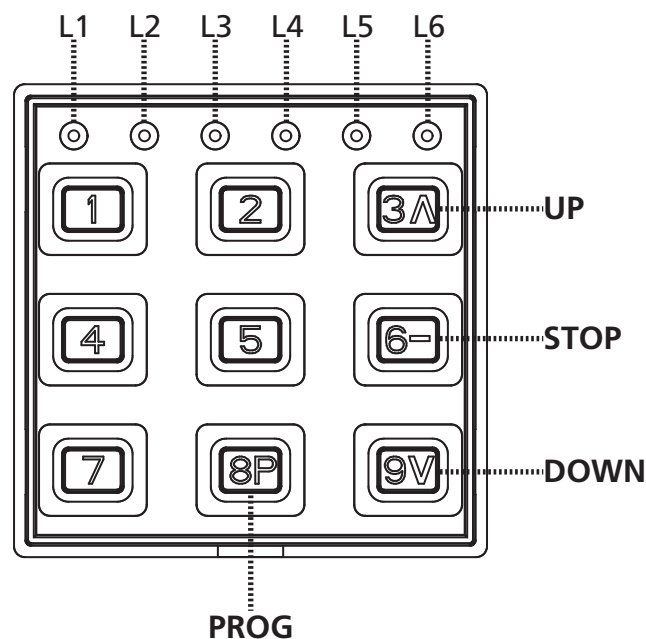
CODE			FUNCTION
A	B	C	
12	11	11	Storage of the transmitters
12	11	13	Deletion of all the stored transmitters
12	11	17	Storing of the level of intervention of the wind sensor
12	11	18	Programming of the level of intervention of the sun sensor
12	11	21	Programming of the level of temperature

A: Code to activate programming

B: Indicates channel 1 of the remote control; for channel 2 the number is 12, for channel 3 the number is 13, etc. up to channel 6

C: Code of the function to be programmed

The pictures that follow include references to the buttons and the LEDs used during programming.



STORAGE OF THE TRANSMITTERS

 **WARNING:** the first transmitter stored fixes the direction of motion of the motor.

To store a transmitter TX1 on a blank control unit proceed as follows:

1. Power only the control unit to be programmed
2. Activate ADLER programming by holding down buttons 4 and 6 until the 6 LEDs turn on
3. Release the buttons and enter the code 12 **11** 11
The two highlighted digits indicate the remote control channel to be recorded; for channel 1 the digits are **11**, for channel 2 the digits are **12**, for channel 3 the digits are **13**, etc up to channel 6. Once the codes have been entered, the LED of the selected channel will blink for 2 minutes after which it exits programming.
4. Press and hold down the PROG button of the TX1 remote control until the motor starts to move in a direction
5. Release the PROG button: the motor will stop
6. Press the keys UP or DOWN depending on the way of motion of the roll-up shutter before stopping:
 - if the roll-up shutter was going up, press the key UP; direction acquired: the key UP moves the roll-up shutter UPWARDS, the key DOWN moves the roll-up shutter DOWNWARDS.
 - if the roll-up shutter was going down, press the key DOWN; direction acquired: the key DOWN moves the roll-up shutter DOWNWARDS, the key UP moves the roll-up shutter UPWARDS.
7. To exit the programming mode, wait for the led to switch off or press key 1 to exit immediately.
8. Try to operate the roll-up shutter and check that it works with the logic above described. If the logic is reversed, it is necessary to delete all the codes stored (See procedure "DELETING ALL RECORDED TRANSMITTERS") and start again the above procedure.

To add other remote controls, follow points 6, 7, and 8 of the "QUICK transmitter recording"

DELETION OF ALL THE STORED TRANSMITTERS


To delete all the transmitters stored on the control unit it is necessary using a remote control previously stored and proceed as follows:

1. Power only the control unit to be programmed
2. Activate ADLER programming by holding down buttons 4 and 6 until the 6 LEDs turn on
3. Release the buttons and enter the code 12 **11** 13
The two highlighted digits indicate the remote control channel recorded in the control unit; for channel 1 the digits are **11**, for channel 2 the digits are **12**, for channel 3 the digits are **13**, etc up to channel 6. Once the codes have been entered, the LED of the selected channel will blink for 2 minutes after which it exits programming.
4. Position the roll-up shutter at mid-height using UP-STOP-DOWN
5. Press and hold down the PROG button of the remote control until the motor starts to move in a direction
6. Release the PROG button: the motor will stop
7. To exit the programming mode, wait for the led to switch off or press key 1 to exit immediately.

To delete all the codes by means of a transmitter non-stored, proceed as follows:

1. Switch off power supply of the system.
2. Activate ADLER programming by holding down buttons 4 and 6 until the 6 LEDs turn on
3. Release the buttons and enter the code 12 **11** 13
4. Press and keep pressed the button PROG
5. Power all control units where the deletion will be performed
6. Hold down the PROG button until the motor starts to move for about 1/2 second in both directions, indicating that the deletion has been completed.
7. Release the PROG button: the motor will stop
8. To exit the programming mode, wait for the led to switch off or press key 1 to exit immediately.


STORING OF THE LEVEL OF INTERVENTION OF THE WIND SENSOR

 **WARNING:** to make the awning close, the wind sensor has to detect a value higher than the set threshold value for at least 5 seconds. The automation is blocked for 8 minutes when the awning is closed because of strong wind.

To set the level of intervention of the wind sensor it is necessary to use a remote control previously stored and proceed as follows:

1. Activate ADLER programming by holding down buttons 4 and 6 until the 6 LEDs turn on
2. Release the buttons and enter the code 12 **11** 17
The two highlighted digits indicate the remote control channel recorded in the control unit; for channel 1 the digits are **11**, for channel 2 the digits are **12**, for channel 3 the digits are **13**, etc up to channel 6. Once the codes have been entered, the LED of the selected channel will blink for 2 minutes after which it exits programming.
3. Press and keep pressed (for 5 about seconds) the button PROG of the transmitter until the motor moves jerkily in both the ways showing that it enters the storing.
4. The number of jerks made by the motor corresponds to the level currently set:
 - 1 jerk = level 1 = 10 Km/h
 - 2 jerks = level 2 = 15 Km/h
 - 3 jerks = level 3 = 20 Km/h
 - 4 jerks = level 4 = 30 Km/h (default)
 - 5 jerks = level 5 = 40 Km/h
5. Release the key PROG
6. To increase the level press button UP, to decrease it press button DOWN.
7. As soon as the control unit receives the control, it shows the new level moving the motor with the corresponding number of jerks.
8. To exit the programming press STOP: the motor displays again the set level and exits.
9. To exit the programming mode, wait for the led to switch off or press key 1 to exit immediately.

PROGRAMMING OF THE LEVEL OF INTERVENTION OF THE SUN SENSOR

 **WARNING:** to make the awning open the sun sensor has to detect a value higher than the set threshold value for at least 8 minutes. To make it close, the sensor has to detect a value lower than the set threshold value for at least 8 minutes. Interruptions of light (due to clouds) shorter than a minute are not detected, while the 8-minute timer is set at zero when longer than one minute.

To set the level of intervention of the sun sensor it is necessary to use a remote control previously stored and proceed as follows:

1. Activate ADLER programming by holding down buttons 4 and 6 until the 6 LEDs turn on
2. Release the buttons and enter the code 12 **11** 18
The two highlighted digits indicate the remote control channel recorded in the control unit; for channel 1 the digits are 11, for channel 2 the digits are **12**, for channel 3 the digits are **13**, etc up to channel 6. Once the codes have been entered, the LED of the selected channel will blink for 2 minutes after which it exits programming.
3. Press and keep pressed (for 5 about seconds) the button PROG of the transmitter until the motor moves jerkily in both the ways showing that it enters the storing.
4. The number of jerks made by the motor corresponds to the level currently set:
1 jerk = level 1 = 2 Klux
2 jerks = level 2 = 5 Klux
3 jerks = level 3 = 10 Klux (default)
4 jerks = level 4 = 20 Klux
5 jerks = level 5 = 40 Klux
5. Release the key PROG
6. To increase the level press button UP, to decrease it press button DOWN.
7. As soon as the control unit receives the control, it shows the new level moving the motor with the corresponding number of jerks.
8. To exit the programming press STOP: the motor displays again the set level and exits.
9. To exit the programming mode, wait for the led to switch off or press key 1 to exit immediately.

PROGRAMMING OF THE LEVEL OF TEMPERATURE

The temperature can be set on 5 levels, under which the sun sensor must not open the awning, even if the light intensity has exceeded the level set.

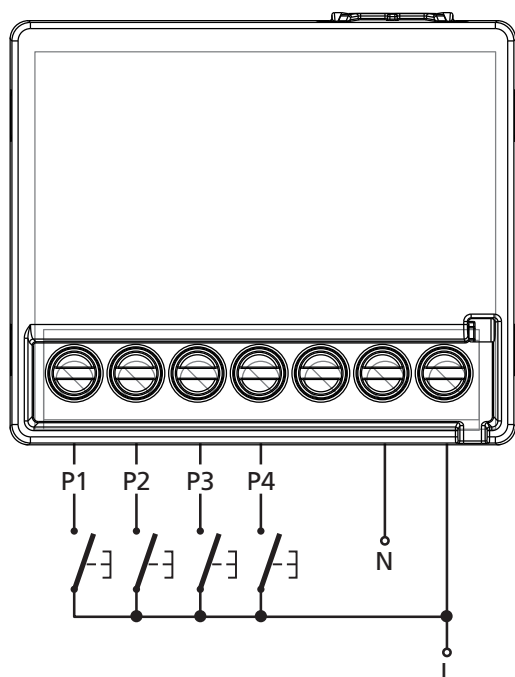
This function is particularly useful in Countries with wintry weather, where sunny but very cold days are frequent. In this case, it is not necessary to open the awnings, to let the sun warm the inner rooms.

To set the level of temperature it is necessary to use a remote control previously stored and proceed as follows:

1. Activate ADLER programming by holding down buttons 4 and 6 until the 6 LEDs turn on
2. Release the buttons and enter the code 12 11 21
The two highlighted digits indicate the remote control channel recorded in the control unit; for channel 1 the digits are 11, for channel 2 the digits are 12, for channel 3 the digits are 13, etc up to channel 6. Once the codes have been entered, the LED of the selected channel will blink for 2 minutes after which it exits programming.
3. Press and keep pressed (for 5 about seconds) the button PROG of the transmitter until the motor moves jerkily in both the ways showing that it enters the storing.
4. The number of jerks made by the motor corresponds to the level currently set:
1 jerk = level 1 = sensor disabled (default)
2 jerks = level 2 = 0°C
3 jerks = level 3 = 5°C
4 jerks = level 4 = 10°C
5 jerks = level 5 = 15°C
5. Release the key PROG
6. To increase the level press button UP, to decrease it press button DOWN.
7. As soon as the control unit receives the control, it shows the new level moving the motor with the corresponding number of jerks.
8. To exit the programming press STOP: the motor displays again the set level and exits.
9. To exit the programming mode, wait for the led to switch off or press key 1 to exit immediately.

TRANSMITTERS OF THE RANGE DEV-T1

Using a DEV-T1 series transmitter it is possible to activate the transmitter storage.



P1	UP button input
P2	STOP button input
P3	DOWN button input
P4	Code storage stage activated
N	Power supply neutral
L	Power supply phase

Pressing the three buttons in combination allows to activate the following functions on the control unit:

P2 + P1 - Sun sensor activated

P2 + P3 - Sun sensor disabled

P1 + P3 - STOP command

NOTE: you must hold the buttons pressed until the control unit signals it has received the command by running the motor or activating the relays.

STORAGE OF THE TRANSMITTERS

⚠ WARNING: the first transmitter stored fixes the direction of motion of the motor.

To store a transmitter TX1 on a blank control unit proceed as follows:

1. Power only the control unit to be programmed
2. Press and keep pressed (for about 5 seconds) the key P4 of the transmitter TX1 until the motor starts to move in one way.
3. Release the key P4: the motor stops.
4. Press the keys UP or DOWN depending on the way of motion of the roll-up shutter before stopping:
 - if the roll-up shutter was going up, press the key UP; direction acquired: the key UP moves the roll-up shutter UPWARDS, the key DOWN moves the roll-up shutter DOWNWARDS.
 - if the roll-up shutter was going down, press the key DOWN; direction acquired: the key DOWN moves the roll-up shutter DOWNWARDS, the key UP moves the roll-up shutter UPWARDS.
5. Try to operate the roll-up shutter and check that it works with the logic above described. If the logic is reversed, it is necessary to delete all the codes stored (read Switch 3) and start again the above procedure.

To add another transmitter TX2 to the control unit it is necessary to use a remote control previously stored (TX1) and proceed as follows:

1. Press and keep pressed for about 5 seconds the key P4 of the TX1 until the motor starts to move.
2. Release the key P4, the motor stops.
3. Press the key UP or DOWN of the TX2: the transmitter is stored with the same logic of the TX1.

DELETION OF ALL THE STORED TRANSMITTERS

To delete all the transmitters stored it is necessary using a transmitter PROTEO, DUO, ARTEMIS or ADLER and follow the dedicated procedure.