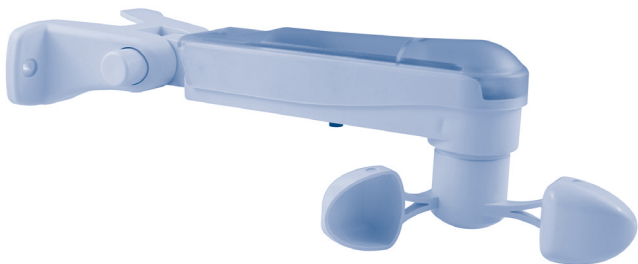


A520007 WINDTEC

A520008 WINDTEC LUX



SENSORE VENTO E VENTO/LUCE

I

WIND SENSOR & SUN SENSOR

GB

WETTERSTATION WINDWÄCHTER & SONNENSENSOR

D

CAPTEUR DE VENT ET DE VENT-LUMIÈRE

F

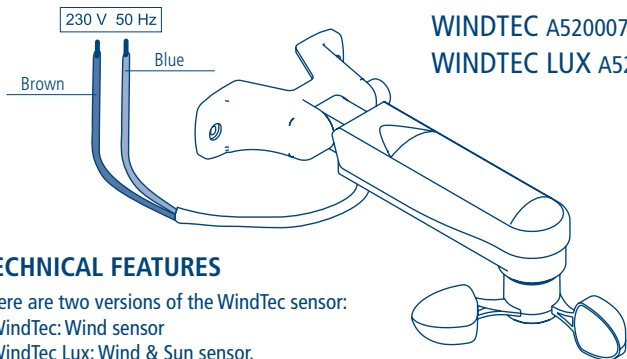
ANEMÓMETRO CON SENSOR LUZ
PARA EL CONTROL DEL TOLDO

E

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ELECTRICAL CONNECTIONS





WINDTEC A520007
WINDTEC LUX A520008

TECHNICAL FEATURES

There are two versions of the WindTec sensor:

- WindTec: Wind sensor
- WindTec Lux: Wind & Sun sensor.

| | WINDTEC WIND SENSOR  | WINDTEC LUX WIND & SUN SENSOR  |
|----------------------------|--|--|
| Power supply (V) / (Hz) | 230 / 50 | 230 / 50 |
| Radio frequency (MHz) | 433,92 | 433,92 |
| Setting Wind sensor (km/h) | 7,5 - 45 | 7,5 - 45 |
| Setting Sun sensor (klux) | | 2,5 - 100 |
| Degree of protection | IP33 | IP33 |
| Dimensions (mm) | 300x140xH95 | 300x140xH95 |
| Weight (g) | 365 | 365 |

According to the motor / control unit to which the WindTec is associated, the availability of certain features changes as indicated in the following table:

| COMPATIBILITY | CLOSING BY WIND ALARM | AUTOMATIC REOPENING | OPENING AND CLOSING WITH LIGHT* | ADDITIONAL MIDDLE POSITION* | "PRIVACY" POSITION* |
|-----------------------------------|-----------------------------|------------------------|---------------------------------------|-----------------------------------|------------------------|
| WAVE RX / SENSO RX | ✓ | ✓ | ✓ | ✓ | |
| Radio receiver TDS COMPACT | ✓ | | ✓ | ✓ | |
| Radio receiver TDS GOLD | ✓ | | ✓ | | |
| Radio receiver MINI or MYROLL | ✓ | | ✓ | | |
| Radio receiver ORIENS CRC | ✓ | | ✓ | | ✓ |
| Radio receiver BLUE BUS TDS RX | ✓ | | ✓ | | |

*only with WindTec Lux

LUX FUNCTION

ATTENTION! The light function in model "WindTec Lux" can be activated only by using a remote control series SKIPPER, GIRO or POP with the LUX function (Skipper Lux / Skipper P-Lux, Giro Lux / Giro P-Lux or POP Lux / POP P-Lux).

Series SKIPPER

SKIPPER **Lux**

SKIPPER **P-Lux**

Activating/ Deactivating the Sun sensor



Wind & Sun sensor activate.

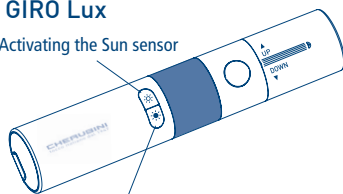


Only Wind sensor activate.

Series GIRO

GIRO **Lux**

Activating the Sun sensor

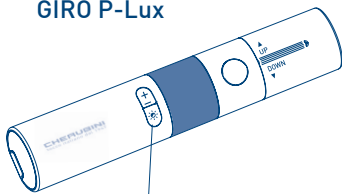


Deactivating the Sun sensor



Wind & Sun sensor activate.

GIRO **P-Lux**



Activating/ Deactivating the Sun sensor

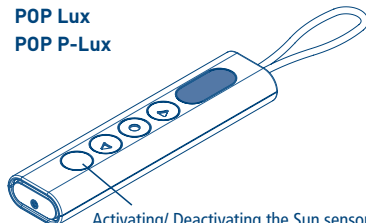


Only Wind sensor activate.

Series POP

POP **Lux**

POP **P-Lux**



Activating/ Deactivating the Sun sensor



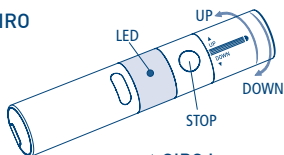
Wind & Sun sensor activate.



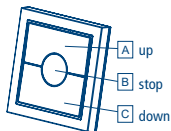
Only Wind sensor activate.

COMPATIBLE REMOTE CONTROLS

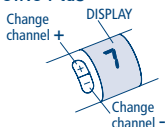
GIRO



GIRO Wall

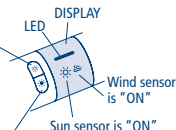


GIRO Plus



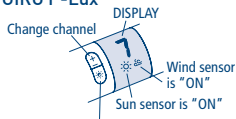
GIRO Lux

Activating the Sun sensor



Deactivating the Sun sensor

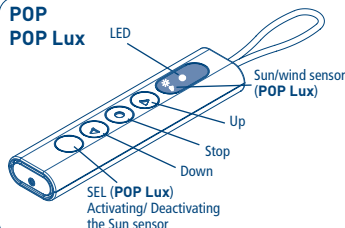
GIRO P-Lux



Activating/ Deactivating the Sun sensor

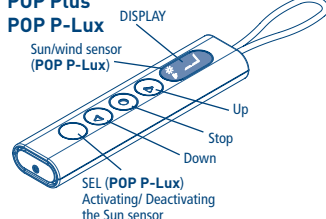
POP

POP Lux

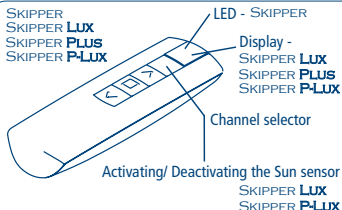


POP Plus

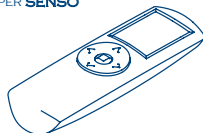
POP P-Lux



SKIPPER
SKIPPER Lux
SKIPPER Plus
SKIPPER P-Lux

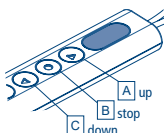
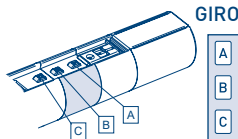


SKIPPER LCD
SKIPPER SENSO



Check the specific instruction book

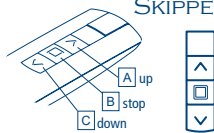
KEY TO SYMBOLS



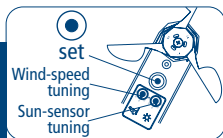
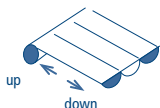
POP



SKIPPER



KEY TO SYMBOLS



Press button A

Press buttons A and B at the same time

short motor rotation in one direction

long motor rotation in other direction

double short rotation

COMMAND SEQUENCES EXAMPLE

Most of the command sequences have three distinct steps, at the end of which the motor indicates if the step has been concluded positively or not, by turning in different ways. This section is provided to demonstrate the motor indications. The buttons must be pressed as shown in the sequence, without taking more than 4 seconds between one step and the next. If more than 4 seconds are taken, the command is not accepted and the sequence must be repeated. Command sequence example:

Step 1

Step 2

Step 3

As we can see from the example, when the sequence ends positively, the motor returns to its starting position in one long rotation. In fact, two short rotations in the same direction correspond to one long rotation in the opposite direction. The motor returns to the starting position even when the sequence is not completed; in this case by performing one or two short rotations. Example of a wrong sequence:

Step 1

> 4 sec

repeat the sequence

Step 1

Step 2

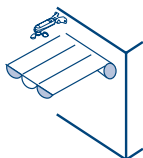
> 4 sec

repeat the sequence

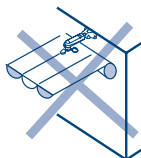
WHERE TO PLACE THE WIND & SUN SENSOR

ATTENTION!

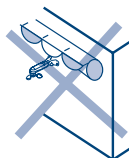
The WindTec sensor must be positioned to the side, as close as possible to its awning, and not above or below the awning coverage area.



RIGHT



WRONG

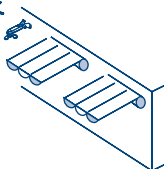


WRONG

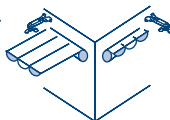
ENGLISH

SETTING OF SEVERAL MOTORS TO ONE SENSOR

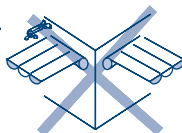
One single WindTec sensor can be used to automate a group of motorised awnings. For a correct function, the coupled awnings must be mounted and exposed to sunlight and wind in the same way. Do not connect more than 5 motors to one wind sensor.



RIGHT



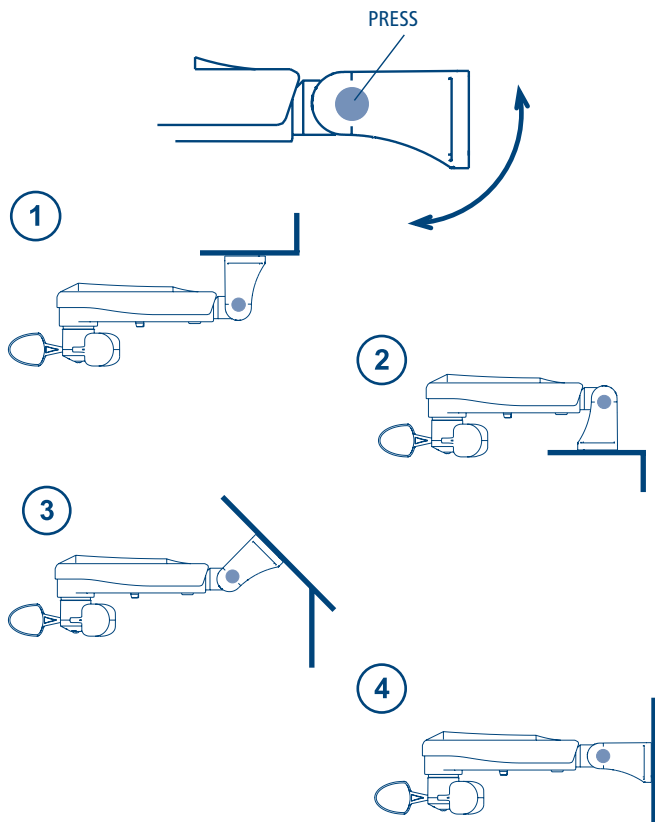
RIGHT



WRONG

FITTING THE WIND & SUN SENSOR

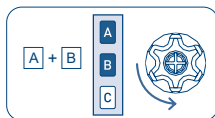
The WindTec sensor has a positioning mechanism for fitting to any surface.
To adjust fitting-angle, press the button to rotate the support (see drawing).



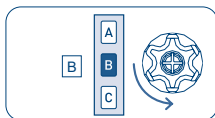
SETTING THE WIND & SUN SENSOR

To associate WindTec sensor to a motor, a remote control must be already memorised on the motor. The setting sequence is the following:

Tn: Already programmed remote control



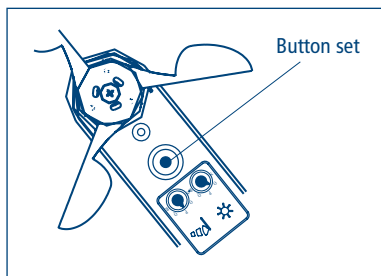
Tn



Tn



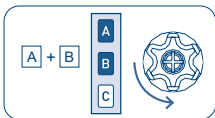
2 sec



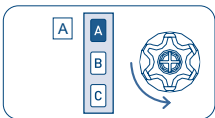
DELETING THE WIND & SUN SENSOR

To delete the WindTec sensor from the motor, an already programmed remote control must be used. The deleting sequence is the following:

Tn: Already programmed remote control



Tn



Tn



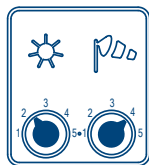
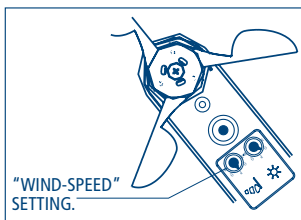
2 sec

SETTING THE WIND SENSOR

The wind level point can be set using the button provided in the lower part of the WindTec sensor, identified by the windsock symbol. The speed can be set from a minimum of 7,5 Km/h to a maximum of 45 Km/h.



It's prudent not to set the wind speed over the fourth level, which corresponds to 35 Km/h.



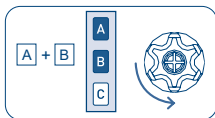
MAXIMUM RECOMMENDED SPEED
FOR THE WIND-ALARM (35 km/h)

Following a wind alarm, the motor closes automatically the awning, overriding user commands until the wind alarm passes. To deactivate the wind alarm, it's necessary that the wind speed remains below the set level for at least 8 minutes. After these 8 minutes the awning returns to the position it was in before the alarm, if the automatic reopening function is active. This pause time is included to ensure awning protection and to prevent continuous motor movement in the event of sporadic gusts of wind.

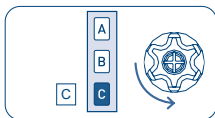
ACTIVATING AUTOMATIC REOPENING - only with Wave RX / Senso RX motors -

With the automatic reopening system, at the end of the wind alarm, the awning opens again. From factory this function is not activated in the motor, but can be easily activated with the following command sequence:

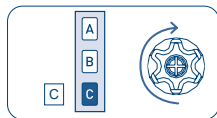
Tn: Already programmed remote control



Tn



Tn



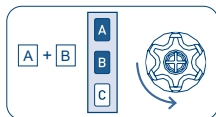
Tn (2 sec)

DEACTIVATING AUTOMATIC REOPENING

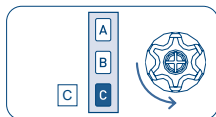
- only with Wave RX / Senso RX motors -

The automatic reopening function can be deactivated at any moment with the following command sequence:

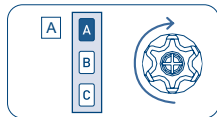
Tn: Already programmed remote control



Tn



Tn



Tn (2 sec)

SETTING THE SUN SENSOR

(WindTec Lux)

The light level point can be set using the button provided in the lower part of the WindTec Lux sensor, identified by the sun symbol.



The light intensity can be set from a minimum of 2.5 kLux (dawn light) up to a maximum of 100 kLux (midday sunlight). To activate the automatic awning opening, the light intensity must exceed the set level for 1 minute, while for automatic closing, the light intensity must remain below the set level for at least 10 minutes. These pause times are included to prevent the motor from moving continuously in the event of passing clouds. Automatic opening and closing only work when the motor is set to the automatic wind + light mode.

ACTIVATING THE AUTOMATIC OR MANUAL SETTING MODE BY THE REMOTE CONTROL SERIES GIRO

The manual mode (wind only), or automatic mode (wind + sun) setting has to be done by the Giro Lux or Giro P-Lux remote control.



Wind & Sun sensor activate.



Only Wind sensor activate.

Using the front buttons on the remote control do the following:

GIRO Lux

By pressing briefly one button the display will show the current setting.



Activating

Deactivating

To change setting, press for at least 3 seconds the button related to the desired function, till the motor feedback.



(3 sec)



GIRO P-Lux

By pressing briefly the button the display will show the current setting.



Activating/ Deactivating

To change setting press the same button for at least 3 seconds till the motor feedback.



(3 sec)



ACTIVATING THE AUTOMATIC OR MANUAL SETTING MODE BY THE REMOTE CONTROL SERIES POP

The manual mode (wind only), or automatic mode (wind + sun) setting has to be done by the POP Lux or POP P-Lux remote control.

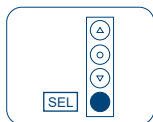


Wind & Sun sensor activate.

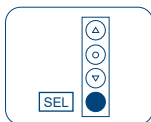


Only Wind sensor activate.

By briefly pressing the "SEL" button, the remote control shows the current setting. To change the setting press the SEL button again and hold it down for around 2 sec, until the motor replies with a confirmation sequence.



Tn



Tn (2 sec)



ACTIVATING THE AUTOMATIC OR MANUAL SETTING MODE BY THE REMOTE CONTROL SERIES SKIPPER

The manual mode (wind only), or automatic mode (wind + sun) setting has to be done by the Skipper Lux or Skipper P-Lux remote control.

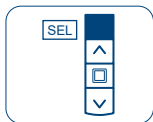


Wind & Sun sensor activate.

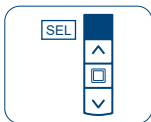


Only Wind sensor activate.

By briefly pressing the "SEL" button, the remote control shows the current setting. To change the setting press the SEL button again and hold it down for around 2 sec, until the motor replies with a confirmation sequence.



Tn



Tn (2 sec)



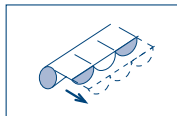
TEST MODE

This function is useful to check the correct communication via radio, and to perform the wind and sun function test.

To activate the TEST function, hold the SET button down for around 2 seconds, until the motor confirms the command by bringing the awning to half opening distance. The test function lasts for 3 minutes, during which the wind and light level settings can be checked, without waiting for the activation times. After 3 minutes, the WindTec sensor returns to normal mode function.



(2 sec)



WIND FUNCTION TEST

To avoid errors during the wind function test, we advise setting the motor to manual mode (wind only). With the anemometer blades moving, when the speed detected by the sensor exceeds the set level, the motor will close completely the awning. After the awning is closed and the anemometer blades stop turning, the awning returns to halfway out if the automatic reopening function is active; if it is not, the awning remains closed.

SUN FUNCTION TEST (WindTec Lux)

Check that the motor is set to the automatic mode. When the sensor detects a change in light intensity, it opens the awning if brighter than the set point or closes it if weaker. This test can be repeated several times to establish the desired automatic opening and closing level according to the light.

EU DECLARATION OF CONFORMITY



CHERUBINI S.p.A. declares that the product is in conformity with the relevant Union harmonisation legislation: Directive 2014/53/EU, Directive 2011/65/EU.

The full text of the EU declaration of conformity is available upon request at the following website: www.cherubini.it.

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