CHERUBINI®

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**

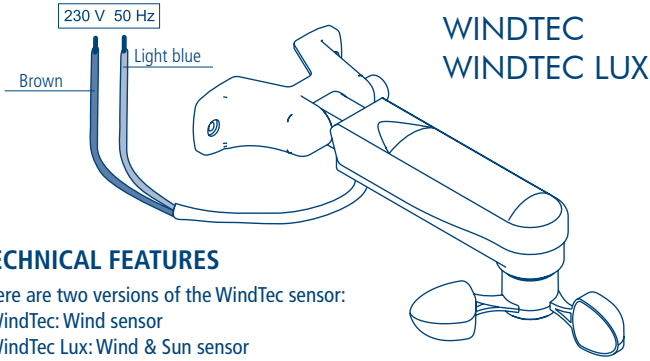
Serie - Series - Baureihe - Série - Serie

WINDTEC
WINDTEC LUX

CE

ISTRUZIONI - INSTRUCTIONS - EINSTELLANLEITUNGEN
INSTRUCTIONS - INSTRUCCIONES

ELECTRICAL CONNECTIONS



TECHNICAL FEATURES

There are two versions of the WindTec sensor:
- WindTec: Wind sensor
- WindTec Lux: Wind & Sun sensor

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

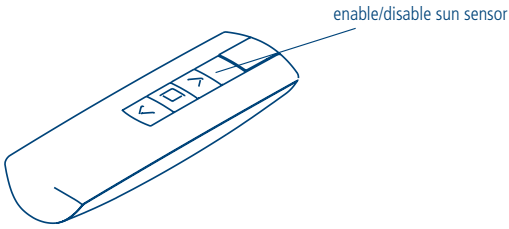
COMPATIBILITY	CLOSING BY WIND ALARM	AUTOMATIC REOPENING	OPENING AND CLOSING WITH LIGHT*	ADDITIONAL MIDDLE POSITION*	"PRIVACY" POSITION*
BLUE WAVE RX	√	√	√	√	
Radio receiver TDS COMPACT	√		√	√	
Radio receiver TDS GOLD	√		√		
Radio receiver MINI	√		√		
Radio receiver ORIENS CRC	√		√		√

*only with WindTec Lux

	FUNTIONS	POWER SUPPLY (V) / (Hz)	RADIO FREQUENCY (MHz)	SETTING WIND SENSOR (km/h)
WINDTEC WIND SENSOR		**230 / 50**	**433,92**	**7,5 - 45**
WINDTEC LUX WIND & SUN SENSOR		**230 / 50**	**433,92**	**7,5 - 45**

Wind & Sun sensor activate.

Only Wind sensor activate.

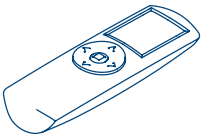


ATTENTION!

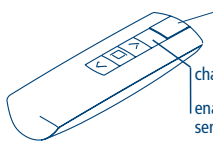
Skipper LUX
Skipper P-LUX
To use the light function in mod. "WindTec Lux" must employ a remote control "Skipper Lux" or "Skipper P-Lux".

SETTING SUN SENSOR (klux)	DEG.HUM. PROTECTION	DIMENSIONS (mm)	WEIGHT (g)	REF. NUMBER
	IP33	**300X140XH95**	**365**	**A520007**
2,5 - 100	**IP33**	**300X140XH95**	**365**	**A520008**

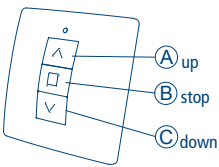
COMPATIBLE REMOTE CONTROLS



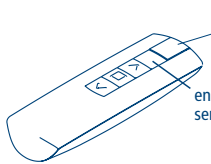
SKIPPER SENSO
SKIPPER LCD
*check the specific instruction book



SKIPPER PLUS
SKIPPER P-LUX (for WindTec Lux)



SKIPPER WALL



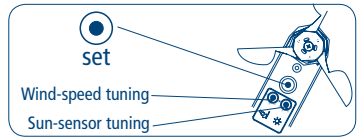
SKIPPER
SKIPPER LUX (for WindTec Lux)

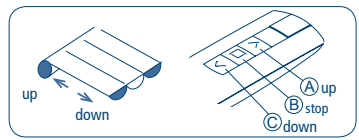
KEY TO SYMBOLS

- short motor rotation in one direction

- long motor rotation in other direction

- double short rotation





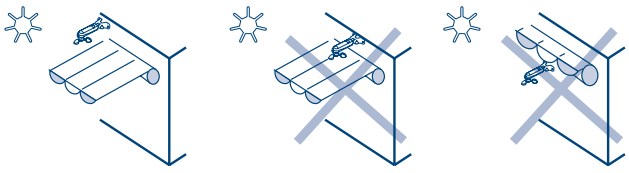
Press button A

Press buttons A and B at the same time

WHERE TO PLACE THE WIND & SUN SENSOR

ATTENTION!

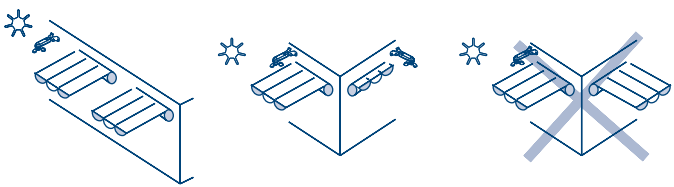
The WindTec sensor must be positioned to the side, as close as possible to its awning, and not above or below the awning coverage area.



RIGHT WRONG WRONG

SETTING OF SEVERAL MOTORS TO ONE SENSOR

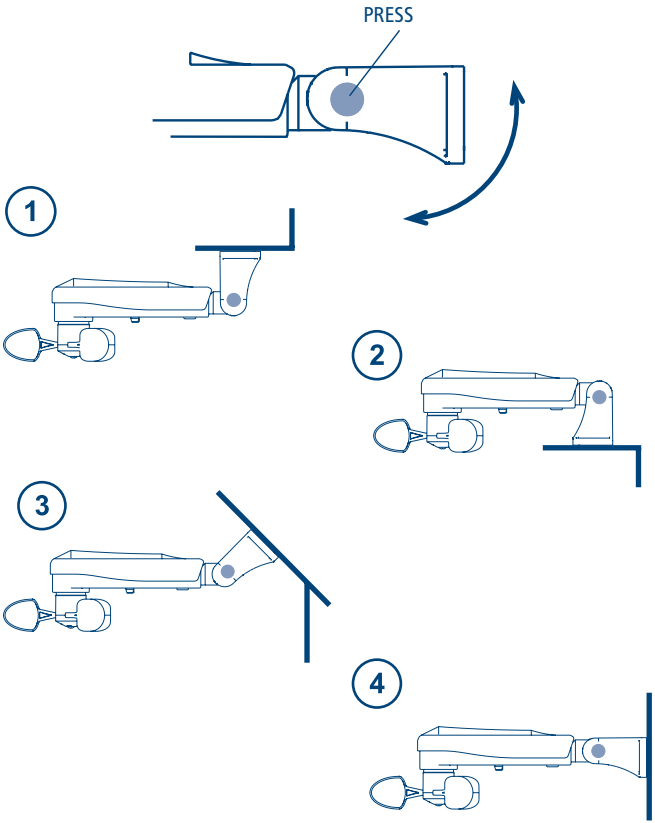
One single WindTec sensor can be used to automate a group of motorised awnings. For a correct function, the coupled awnings must be mounted and exposed to sunlight and wind in the same way. Do not connect more then 5 motors to one wind sensor.



RIGHT RIGHT WRONG

FITTING THE WIND & SUN SENSOR

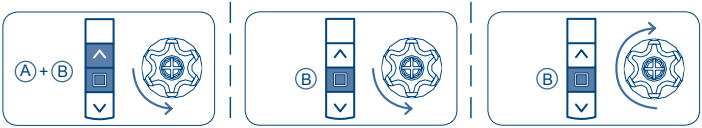
The WindTec sensor has a positioning mechanism for fitting to any surface.
To adjust fitting-angle, press the button to rotate the support (see drawing).



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.

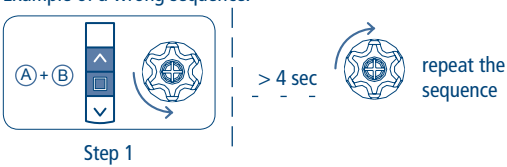
Command sequence example:



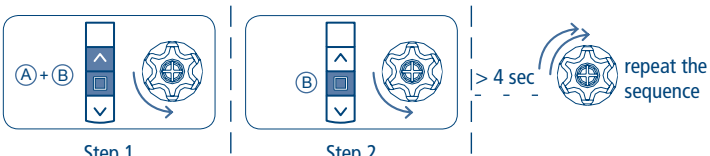
Step 1 Step 2 Step 3

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

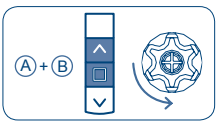


Step 1 Step 2

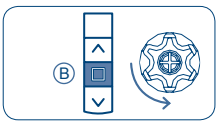
SETTING THE WIND & SUN SENSOR

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

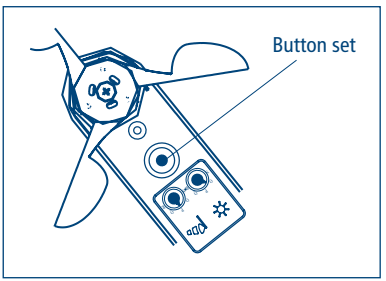


Tn



Tn

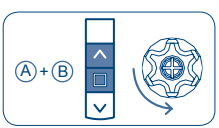
2 sec



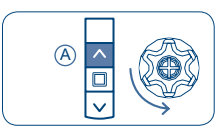
DELETING THE WIND & SUN SENSOR

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



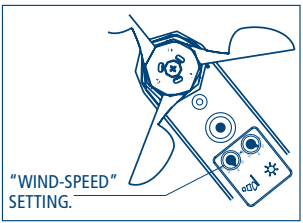
Tn

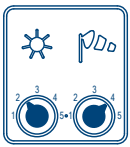
2 sec

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

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 Blue Wave RX motor, but can be easily activated with the following command sequence:

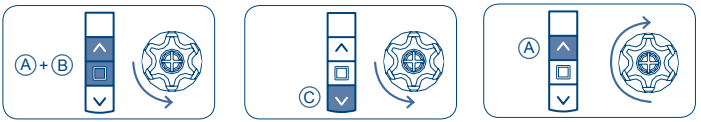
Tn: already programmed remote control

Tn Tn Tn (2 sec)

DEACTIVATING AUTOMATIC REOPENING

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

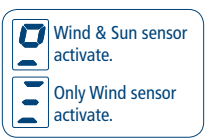
(WindTec Lux)

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.

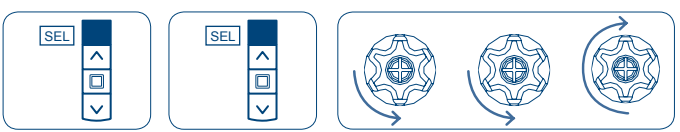
The light intensity can be set from a minimum of 2.5 kLux (dawn light) up to a maximum of 100 kLux (midday sunlight). To activate the automatic awning opening, the light intensity must exceed the set level for 1 minute, while for automatic closing, the light intensity must remain below the set level 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 MODE SETTING

To set manual mode (wind only), or automatic mode (wind + sun) employ the Skipper Lux or Skipper P-Lux remote control. 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.

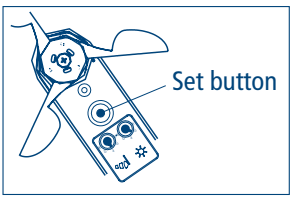


Tn Tn (2 sec)

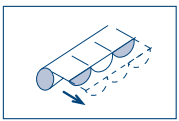
TEST MODE

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.

SISTEMI DI MANOVRA PER LA PROTEZIONE SOLARE
MOTION SYSTEMS FOR SOLAR PROTECTION
ANTRIEBSSYSTEME FÜR DEN SONNENSCHUTZ
MOTEURS ET ACCESSOIRES POUR STORES ET FERMETURES
SISTEMAS DE ACCIONAMIENTO PARA PROTECCIÓN SOLAR

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