

designation	SOLIRIS sensor RTS
reference	154210A
range	INTEO

FUNCTIONS

The **SOLIRIS sensor RTS** is a radio sensor for awnings with an automatic control according to the daylight intensity and protection against wind damage.

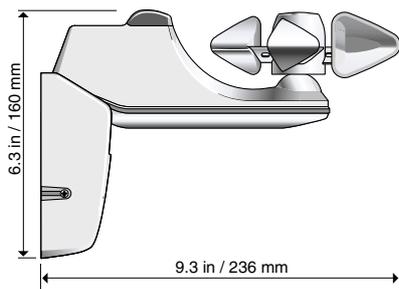
The wind and sun thresholds can be set directly on the **SOLIRIS sensor RTS**.

The **SOLIRIS sensor RTS** must be used with the **OREA RTS** and **ALTUS RTS** motors.

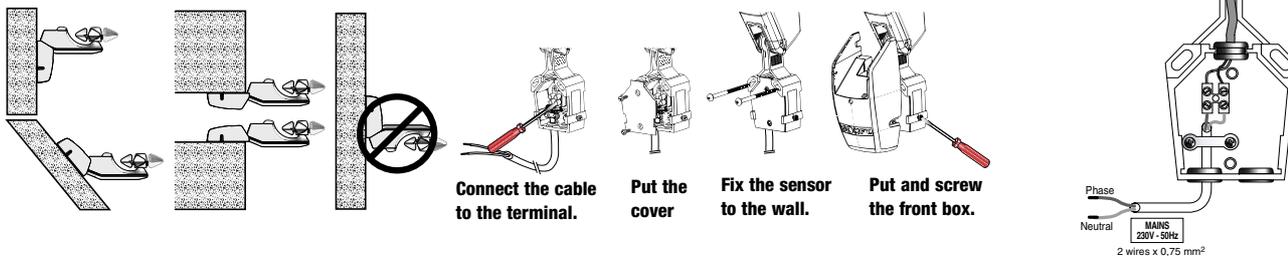


TECHNICAL SPECIFICATIONS

Box	Material Color Protection factor	ABS (UV proof) grey IP 34 Class II product
Power supply	nominal limits	230 V~ 50/60Hz 207-253 V~
Radio characteristics	Frequency Radiated power Modulation type Range in free field	433,42 MHz \pm 100kHz 0dBm or 1mW ASK type A1 200 m
Standards		EN60730 EN50081 EN50082 EN 300220
Temperature range	Storage Working	- 30°C at +50°C - 20°C at +50°C
Connectors		2 terminals (screws)



MOUNTING / CABLING



COMPATIBILITIES AT THE 21/03/01

Motors with integrated radio receiver :

OREA RTS ALTUS RTS

PROGRAMMING

The motor must be in its learning mode to record a **SOLIRIS sensor RTS**.

Up to three **SOLIRIS sensors RTS** can be memorized in a motor and one **SOLIRIS sensor RTS** can be memorized in several motors.

Enter the "learning" mode :

Press for more than 2" on the prog button of a RTS control already recorded in the motor.

The awning moves shortly (DOWN/UP).

Record or delete a sensor :

Press briefly on the "prog" button of the SOLIRIS sensor RTS.

The awning moves shortly (DOWN/UP).

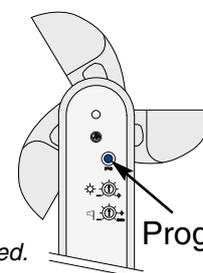
If it is a new sensor : it will be recorded in the motor. if the sensor was already recorded : it will be erased.

Erase all the sensors and record a new one :

Press more than 7 sec. on the "prog" button of the new SOLIRIS sensor RTS.

The awning moves shortly (DOWN/UP) during three times.

the memory of the receiver is cleared (all the previous sensors are erased) and the new sensor is recorded.

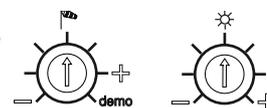


FUNCTIONING

The **SOLIRIS sensor RTS** is able to control and protect an awning according to the sun and wind conditions by controlling the **OREA RTS** or the **ALTUS RTS** motors.

The WIND and SUN thresholds can be adjusted by two potentiometers, one for wind speed and one for daylight intensity.

Between 10 to 50 Km/h for the WIND and between 0 to 50 klux for the SUN.



SUN function

- When the intensity of the daylight exceeds the threshold set by the SOLIRIS sensor RTS, an opening order is sent to the awning after 2 mins. *The awning goes to the intermediate position (see the motor installation guide) or to its down end limit position if no intermediate position has been memorised.*

- When the daylight level falls below the threshold setting, a variable time delay from 15 to 30 minutes is activated (depending on the sun presence duration). *This feature avoids frequent movements of the awning on cloudy days.*

- After this time delay, an UP order is given to the awning. *Any manual command given during this cycle will override the automatic operation. The SOLIRIS sensor RTS will not then function automatically until the daylight exceeds the threshold limit again.*

WIND function

- When the wind speed exceeds the threshold set by the SOLIRIS sensor RTS, a retraction order is given to the awning after 2 secs.

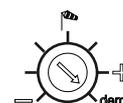
- As long as the measured wind speed is higher than the adjusted threshold, all commands are inhibited (manual control or automatic control) .

- When the wind speed falls below the threshold setting, the SUN function remains inhibited for 12 minutes, but after 30 seconds, an order can be given with the RTS control.

DEMO mode

In this mode all delay times are reduced to ease installation and the wind threshold is 10Km/h.

The mode is selected by turning the wind potentiometer clockwise to the limit.



Timings

	Normal mode	Demo mode
SUN appearing timing	2 min.	10 sec.
SUN disappearing timing	15/30 min.	15 sec.
WIND appearing timing	2 sec.	2 sec.
WIND disappearing timing	30 sec. 12 min.	15 sec.

Security

Once the SOLIRIS sensor RTS has been recorded in the ALTUS or OREA RTS, the radio transmission is checked every 15 minutes. If there is no response from the sensor after 2 hours (at the most) then, the awning is retracted every hour.