



## Eolis Sensor RTS Soliris Sensor RTS



EN - Installation instructions  
ES - Guía de instalación  
PT - Guia de instalação  
EL - Οδηγός εγκατάστασης

## EN Installation guide

### 1. Introduction

The Eolis RTS sensor is a wind sensor. The Soliris RTS sensor is a wind and sun sensor. These sensors are compatible with Somfy motors specifically designed for awnings, vertical blinds and outdoor venetian blinds and those with outdoor receivers: motors and receivers must be equipped with Radio Technology Somfy (RTS) and capable of processing Wind and Sun information transmitted by the sensors.

- The Eolis RTS sensor enables the awning to be raised automatically when the wind blows above the pre-set threshold.
- The Soliris RTS sensor enables the awning to be raised automatically when the wind blows above the pre-set Wind threshold and enables the awning to be automatically lowered and raised according to the intensity of the sunshine.

Caution! These sensors do not protect the awnings in the event of strong gusts of wind. If weather conditions present this sort of risk, ensure that the awning remains closed.

### 2. Safety - Important information

#### 2.1 General information

Before installing and using the product, please read the installation guide carefully.

This Somfy product must be installed by a professional motorisation installer, for whom these instructions are intended.

Never begin installing without first checking the compatibility of this product with the associated equipment and accessories.

These instructions describe how to install, commission and operate this product.

Moreover, the installer must comply with current standards and legislation in the country in which the product is being installed, and inform his customers of the operating and maintenance conditions for the product.

Any usage outside of applications defined by Somfy constitutes non-compliance, and is therefore not covered by the guarantee. In this event, as for all usage not consistent with the instructions given herein, Somfy accepts no responsibility for harm or damage.

#### 2.2 Special instructions

Somfy accepts no liability in the event of damage to equipment caused by weather conditions not detected by the sensor.

Do not dispose of damaged electrical or electronic products with household waste. Please take them to a collection point or an approved

centre to ensure they are recycled correctly.

### 3. Contents of the kit and tools required

#### 3.1 Contents of the kit

Before beginning installation and commissioning of the sensor, check that all parts listed in the table below are present in the correct quantity (Q):

	Components	Q.
1	Eolis RTS Sensor or Soliris RTS Sensor	1
2	Cable (depending on version)	1
3	Screw	2
4	Plugs	2

#### 3.2 Tools required

- Drill and drill bit
- Phillips screwdriver
- Flat-blade screwdriver
- Pencil

#### 3.3 Additional accessories required

Depending on the sensor version, certain accessories required for installation are not supplied in the kit:

- Cable which complies with the standards in force in the country in which it is being installed (depending on version).
- Category II transformer for 24 V version.

### 4. Details of the Eolis RTS - Soliris RTS

	Eolis RTS	Soliris RTS
a	Anemometer	a Anemometer
b	PROG button	b PROG button
c	Wind LED	c Wind LED
d	Wind Potentiometer	d Wind Potentiometer
e	Protective housing	e Protective housing
f	Mounting bracket	f Mounting bracket
		g Sun sensor
		h Sun LED
		i Sun Potentiometer

► See Picture A

### 5. Wiring and installation

#### 5.1 Installation recommendations

- Choose a location with maximum wind detection and which is not hindered by obstacles: install the sensor in a location that is not sheltered from the wind.
- For the Soliris RTS sensor, choose a sunny location where sunshine detection is compatible with wind detection.

- Install the sensor near the product which it controls.
- Never install the sensor under an awning or under artificial lighting.

Caution: The articulated structure of the Eolis RTS sensor enables it to be mounted on walls or roofs with an incline of up to 15°.

- Always fit the sensor with the anemometer (a) on top!

► See Picture B

#### 5.2 Wiring

##### Safety instructions - 24 V Version

Caution! Only use a compatible 24 V transformer. Install the transformer according to the standards in force in the country in which it is being installed.

Caution! If the transformer has already been used and has therefore been connected to the mains power supply, it could still be charged. Do not touch the transformer output cables to avoid any electric shocks.

##### Sensor wiring

- Cut off the mains power supply.
- Remove the protective housing (e).
- Unscrew the front panel (Z) of the mounting bracket to access the terminal block.
- Unscrew the metal tab (Y).
- Drill a hole in the sealant pad (W).

Caution! Never remove the sealant pad.

- Feed the cable (2) through the sealant pad.
- Connect the supply cable (2) to the sensor using the terminal block (V).
- Screw in the metal tab (Y): the cable (2) must be fed under the tab.
- Screw the front panel (Z) back onto the mounting bracket and move to the «Mounting» step.
- Connect the other end of the cable (2) to the 24 V transformer.

► See Picture C

#### 5.3 Mounting

- Drill two holes, 35 mm apart and horizontally aligned.
- Insert the plugs (4) provided.
- Fix the mounting bracket (f) of the sensor to the wall using the screws (3) provided.
- Insert the protective housing (e) into the mounting bracket (f) until it clicks into position.
- Fix the protective housing (f) onto the mounting bracket using the screws (Q).
- Connect the cable (2) or the transformer to the mains power supply.
- Switch on the power supply.

► See Picture D

## 6. Commissioning

### 6.1 Recording the sensor

- Find an RTS control point (A) programmed in the motor.

1) Press the PROG button on the RTS control point (A) until the motor makes an up and down movement:

- The programming function is activated for 2 minutes.

2) Briefly press the PROG button (b) on the sensor (B):

- The motor makes another brief up and down movement.
- The sensor is programmed in the motor.

3) Turn the Wind potentiometer (d) to any position, except the «Demo» position, and move to the section on «Setting the sensitivity threshold».

Caution: The Wind LED remains on during Demonstration mode («Demo»).

Caution! If the awning is not raised, refer to the «Tips and recommendations» section.

Caution! Never leave the Wind potentiometer set to «Demo» mode.

► See Picture E

### 6.2 Checking

#### 6.2.1 Checking the Wind function

- Lower the awning. Turn the Wind potentiometer (d) to the «Demo» position:
  - The motor makes a brief up and down movement.

- Turn the anemometer (a) manually to simulate the wind blowing:
  - The awning is raised automatically after 2 seconds.

► See Picture F

#### 6.2.2 Checking the Sun function

- Turn the Sun potentiometer (i) and check the colour of the Sun LED (h) to adjust the sun sensitivity to the current light intensity:
  - Sun LED off: the sun sensor cannot yet detect the current light intensity
  - Sun LED green and flashing: the sensor detects the current light intensity.

### 6.3 Setting the wind sensitivity threshold

#### 6.3.1 Initial setting

- Turn the Wind potentiometer (d) to set it to the central position.

#### 6.3.2 Adjusting the threshold

The sensitivity threshold setting can be changed according to the actual weather conditions and requirements.

- Turn the potentiometer to the right or left until

the Green LED (c) is permanently lit red:

- The wind sensor's sensitivity threshold is set according to the current level of wind.

#### Caution:

- Wind LED off: the sensitivity threshold set has not been reached, the wind is blowing below the set threshold: the awning does not move.
- Wind LED permanently lit red: the sensitivity threshold set has been reached, the wind is blowing above the set threshold: the awning is raised.

#### Recommendation:

After setting the wind sensitivity threshold, check that the awning raises automatically when the wind is stronger than the threshold set, and that under these conditions the awning does not become damaged.

If the awning does not react as desired, adjust the sensitivity threshold:

- Turn the potentiometer towards the (+) sign to increase the sensitivity threshold: a strong wind will cause the awning to raise.

- Turn the potentiometer towards the (-) sign to decrease the sensitivity threshold: a light wind will cause the awning to raise.

Caution! Each mark corresponds to a speed of 10 km/h.

Caution! Never leave the Wind potentiometer set to «Demo» mode.

► See Picture G

