



# Eolis io

**FR** Notice  
**EN** Instructions  
**DE** Anleitung  
**NL** Handleiding  
**IT** Manuale

**DA** Brugsanvisning  
**FI** Käyttöopas  
**SV** Bruksanvisning  
**NO** Veiledning



## TRANSLATED VERSION

These instructions apply to all versions of Eolis io, the different models of which are available in the current catalogue.

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## GENERAL INFORMATION

### Safety instructions



#### **Danger**

*Indicates a danger which may result in immediate death or serious injury.*



#### **Warning**

*Indicates a danger which may result in death or serious injury.*



#### **Precaution**

*Indicates a danger which may result in minor or moderate injury.*



#### **Attention**

*Indicates a danger which may result in damage to or destruction of the product.*

## 1. INTRODUCTION

### 1.1. AREA OF APPLICATION

The Eolis io is a wind sensor equipped with io-homecontrol® radio technology.

Connected directly to io-homecontrol® motors for terrace awnings, vertical blinds, pergolas, adjustable sun shades or hinged shutters, the Eolis io allows these applications to be controlled automatically if the wind blows stronger than a pre-set threshold.

The Eolis io is not compatible with a solar-powered motor or battery.

The wind sensitivity threshold is pre-set by default, but it can be adjusted on the sensor, according to requirements and actual climatic conditions.

### 1.2. LIABILITY

Before installing and using the Eolis io, please read these instructions carefully.

**The Eolis io sensor must be installed by a home motorisation and automation professional, in accordance with Somfy's instructions and the applicable regulations in the country of installation.**

Any operation of the Eolis io sensor outside the scope of application described above is prohibited. Such use, and any failure to comply with the instructions given in this guide, absolves Somfy of any liability and invalidates the warranty.

The installer must inform his customers of the usage and maintenance conditions of the Eolis io sensor and must provide them with the user and maintenance instructions after installing the Eolis io sensor. Any after-sales service operation on the Eolis io sensor requires intervention by a home motorisation and automation professional.

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

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

Should any doubt arise during installation of the Eolis io sensor or for additional information, consult a Somfy contact or visit [www.somfy.com](http://www.somfy.com).

### 1.3. SPECIFIC SAFETY ADVICE

#### Attention

*To prevent damage to the Eolis io:*

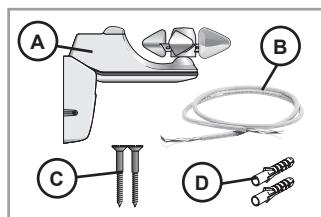
- *Avoid impacts!*
- *Do not drop it!*
- *Do not submerge it.*
- *Do not use abrasive products or solvents to clean the product.*
- *Do clean it using a water spray or high pressure cleaning methods.*

*Ensure that the sensor is kept clean and regularly check it is operating correctly.*

*This sensor does not protect the motorised products in the event of strong gusts of wind. If there is a risk of this kind of weather, ensure that the motorised products remain closed.*

### 1.4. CONTENTS

|   | Description                  | Quantity |
|---|------------------------------|----------|
| A | Eolis io sensor              | 1        |
| B | Cable (depending on version) | 1        |
| C | Screws                       | 2        |
| D | Plugs                        | 2        |

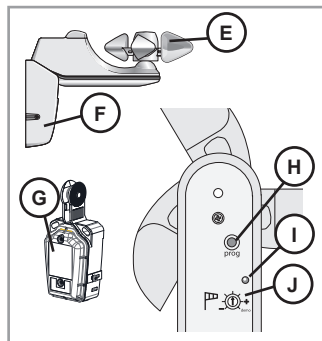


## 1.5. TOOLS REQUIRED

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

## 1.6. THE EOLIS IO IN DETAIL

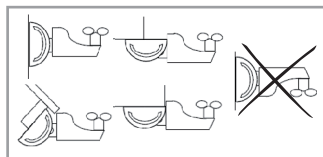
|   | Description        |
|---|--------------------|
| E | Anemometer         |
| F | Protective housing |
| G | Mounting bracket   |
| H | PROG button        |
| I | Wind LED           |
| J | Wind potentiometer |



## 2. INSTALLATION

### 2.1. 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.
  - Install the sensor near the product which it controls.
  - Never install the sensor underneath the motorised product.
  - Always fit the sensor with the anemometer (E) on top!
- ① *The articulated structure of the Eolis io sensor enables it to be mounted on walls or roofs with a slope of up to 15°.*



### 2.2. WIRING

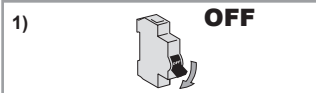
#### 2.2.1. Eolis io wiring



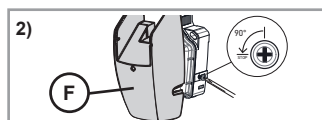
#### Attention

Perform disassembly and wiring operations away from any dust, moisture or foreign bodies to maintain tightness.

- 1) Switch off the mains power supply.



- 2) Remove the protective housing (F).



- 3) Unscrew the front panel (K) of the mounting bracket to access the terminal block.



**Attention**

*Never remove the cover located under the anemometer.*

- 4) Unscrew the left-hand metal tab (L).

- 5) Drill a hole in the left-hand sealant pad (M).



**Attention**

- *Never remove the sealant pad.*
- *The hole drilled in the pad must not exceed the diameter of the cable in order to maintain tightness.*

- 6) Feed the cable (B) through the sealant pad.

- 7) Connect the power supply cable (B) to the sensor using the left-hand terminal block marked "230V" (N).

- 8) Screw in the metal tab (L): the cable must be fed under the tab.



**Attention**

*The cable sheath must exceed the tab by at least 2 mm.*

- ① To add the wiring for an Ondeis rain sensor, go to section 2.2.2.

- 9) Check the presence, good condition and the position of the seal (V) before fitting the cover.

- 10) Screw the front panel (K) of the mounting bracket back on.



**Attention**

*Tighten the screws completely to maintain the tightness of the mounting bracket.*

To complete the installation, go to section 2.3.

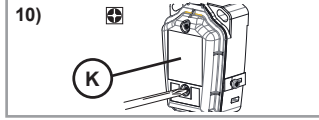
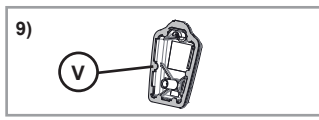
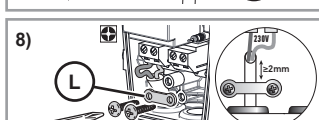
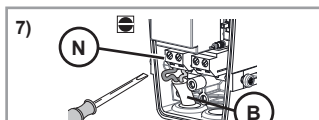
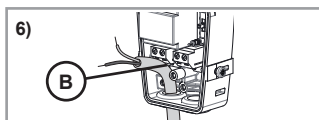
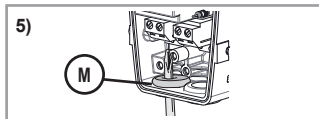
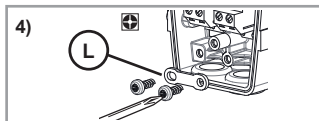
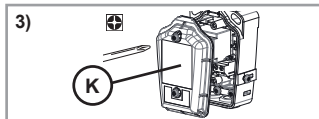
### 2.2.2. Connecting the Ondeis rain sensor to the Eolis io sensor



**Attention**

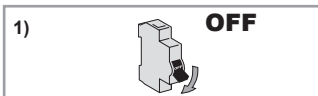
- *In addition to the instructions provided in this manual, you must also comply with the detailed instructions in the Ondeis rain sensor manual.*
- *Perform disassembly and wiring operations away from any dust, moisture or foreign bodies to maintain tightness.*

- ① To connect an Ondeis rain sensor after completing the procedure in section 2.2.1, go directly to step 4).

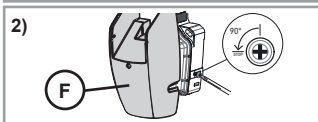


To add the wiring for the Ondeis rain sensor after the Eolis io sensor has been installed, follow the procedure below:

1) Switch off the mains power supply.



2) Remove the protective housing (F).

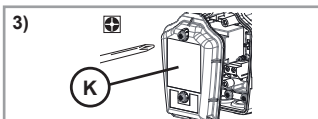


3) Unscrew the front panel (K) of the mounting bracket to access the terminal block.

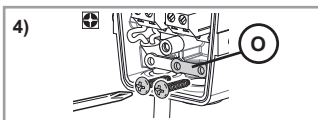


**Attention**

*Never remove the cover located under the anemometer.*



4) Unscrew the right-hand metal tab (O).

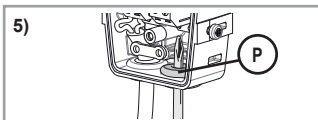


5) Drill a hole in the right-hand sealant pad (P).

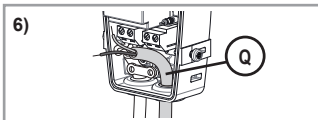


**Attention**

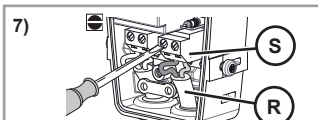
- *Never remove the sealant pad.*
- *The hole drilled in the pad must not exceed the diameter of the cable in order to maintain tightness.*



6) Feed the Ondeis output cable (Q) through the right-hand sealant pad.



7) Connect the Ondeis sensor output cable (R) to the Eolis io sensor using the right-hand terminal block marked "RAIN" (S).

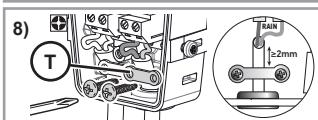


8) Screw in the metal tab (T): the cable must be fed under the tab.



**Attention**

*The cable sheath must exceed the tab by at least 2 mm.*



## 2.2.3. Activating the Ondeis rain sensor

### Presentation of the operating modes

When it is connected to the Eolis io sensor, the Ondeis rain sensor can be configured in 2 operating modes: safety mode or comfort mode.

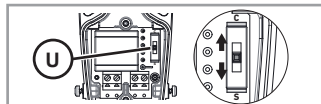
- In **safety** mode, the motorised product moves to the safety position if the Ondeis sensor detects rain. This position is determined by the type of motorised product and protects the motorised product from the rain.
- In **comfort** mode, when the Ondeis sensor detects rain:
  - if it is paired with a Somfy io bi-directional control point, such as TaHoma or Connexoon, via the Eolis io, follow the instructions for this control point.
  - Otherwise, position the motorised product at the lower end limit. This mode serves, for example, to protect users from the rain under their awning.

## Selecting the operating mode

By default, the mode selection button (U) is set to the central position: the Ondeis rain sensor is not activated.

To activate it, select a mode on the Eolis io sensor mounting bracket:

- Turn the mode selection button to **C**: the rain sensor is activated in **comfort** mode.
- Turn the mode selection button to **S**: the rain sensor is activated in **safety** mode.

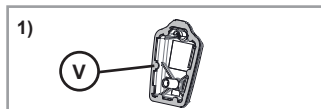


### Attention

Do not use tools to turn the mode selection button (U).

## Fitting the mounting bracket

- 1) Check the presence, good condition and the position of the seal (V) before fitting the cover.

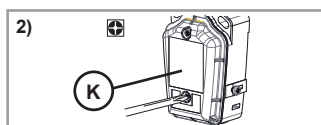


- 2) Screw the front panel (K) of the mounting bracket back on.



### Attention

Tighten the screws completely to maintain the tightness of the mounting bracket.



## 2.3. COMMISSIONING

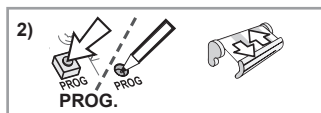
### 2.3.1. Pairing the Eolis io with an io motor or receiver

- ① *Prerequisite: The motorised product must already be adjusted and paired with a 1W io-homecontrol® control point.*

- 1) Switch on the power supply.



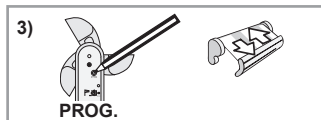
- 2) Press the PROG button on the Somfy 1W io control point paired with the motorised product for about 2 sec until the motorised product completes an up-and-down movement.



- 3) Briefly press the PROG button on the Eolis io.

The motorised product performs another up-and-down movement.

The Eolis io sensor is paired.



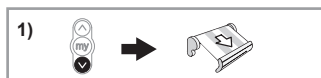
To pair the Eolis io sensor with other io motors or receivers, repeat this procedure.

To pair using an io-homecontrol® control point from a partner brand or a bi-directional Somfy io control point, please refer to the relevant guide.

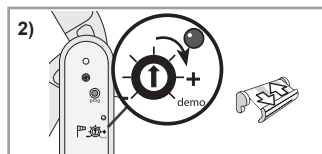
If an Ondeis rain sensor is connected to the Eolis io, it can also be paired with a Somfy io bi-directional control point, such as TaHoma or Connexoon, via the Eolis io: select comfort mode and consult the corresponding manual.

### 2.3.2. Checking Eolis io pairing

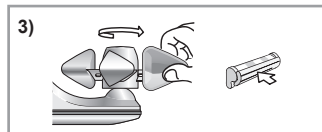
- 1) Position the motorised product at the lower end limit.



- 2) Turn the wind potentiometer (J) to the *Demo* position.  
The motorised product moves up and down briefly.



- 3) Turn the anemometer (E) manually to simulate the wind blowing.  
The motorised product automatically moves to safety position after 2 seconds.  
The Eolis io sensor is paired with this io motor or receiver.



### Attention

*Never leave the wind potentiometer set to "Demo".*

## 2.3.3. Setting the wind sensitivity threshold

### Table of thresholds

- ① In addition to the value in km/h and the number of flashes indicating the level set, the corresponding value on the Beaufort scale is given for information purposes.

| Thresholds          | 1    | 2    | 3    | 4    | 5     | 6      |
|---------------------|------|------|------|------|-------|--------|
| km/h                | 28   | 38   | 49   | 61   | 74    | 88     |
| Number of flashes   | ★    | ★★   | ★★★  | ★★★★ | ★★★★★ | ★★★★★★ |
| Beaufort equivalent | Bf 5 | Bf 6 | Bf 7 | Bf 8 | Bf 9  | Bf 10  |

### Initial setting

Set the wind potentiometer (J) to the threshold adapted to the type of motorised product according to the table of thresholds.

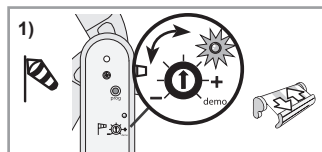
After about 2 seconds, the wind LED flashes a certain number of times indicating the threshold level set.

### Adjusting the threshold

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

- 1) Turn the potentiometer to the right or left until the wind LED (I) is permanently lit green:

The wind sensor's sensitivity threshold is set according to the current wind value.



- ① Note:

- Wind LED off: the sensitivity threshold set has not been reached, the wind is blowing below the set threshold: the motorised product does not move.
- Wind LED permanently lit green: the sensitivity threshold set has been reached, the wind is blowing above the set threshold: the motorised product moves to the safety position.

- 2) Check that the motorised product reacts automatically when the wind blows stronger than the threshold set and that, in these conditions, the motorised product is not damaged.

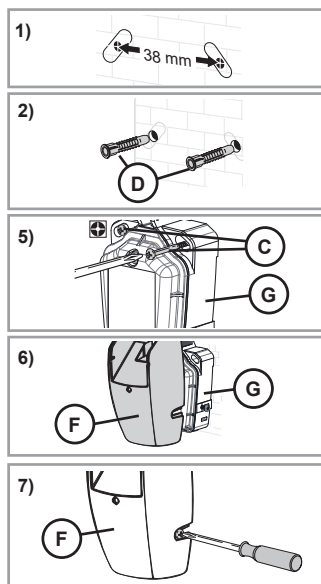


If the motorised product does not react as desired, adjust the sensitivity threshold:

- Turn the potentiometer towards the (+) sign to increase the sensitivity threshold: a stronger wind causes the motorised product to be moved to the safety position.
- Turn the potentiometer towards the (-) sign to decrease the sensitivity threshold: a weaker wind causes the motorised product to be moved to the safety position.

## 2.4. MOUNTING

- 1) Drill two holes, 38 mm apart and horizontally aligned.
- 2) Push the plugs (D) in (use the plugs supplied or a suitable model for the medium).
- 3) Fix the sensor mounting bracket (G) to the wall using the screws (C) supplied.
- 4) Insert the protective housing (F) into the mounting bracket (G) until it clicks into position.
- 5) Fix the protective housing (F) onto the mounting bracket using the screws.
- 6) Connect the cable (B) to the power supply.



## 2.5. TIPS AND ADVICE ON INSTALLATION

### 2.5.1. Questions about the Eolis io?

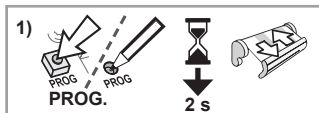
| Observations                                                                    | Possible causes                                                                                 | Solutions                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The sensor cannot be paired with the io motor or receiver.                      | The io motor or receiver memory is full.                                                        | Unpair at least one sensor to be able to connect the Eolis io sensor.                                                                                                                                          |
|                                                                                 | The sensor is mounted to a metal part.                                                          | Move the sensor to distance it from the metal part.                                                                                                                                                            |
|                                                                                 | The sensor is not within the io motor or receiver's range.                                      | Move the sensor closer to the io motor or receiver.                                                                                                                                                            |
| The motorised product rises once an hour.                                       | The sensor is not operating.                                                                    | Check the operation of the motorised product with the io control point.<br>Check the operation of the sensor on the motor using the <i>Demo</i> mode.<br>Replace the sensor if it is faulty; see <b>2.5.4.</b> |
|                                                                                 | The sensor is not within the io motor or receiver's range.                                      | Move the sensor closer to the io motor or receiver                                                                                                                                                             |
| The motorised product does not automatically retract when the wind is detected. | The sensor does not work because the wiring is incorrect.                                       | Check the sensor wiring; see <b>2.2.</b>                                                                                                                                                                       |
|                                                                                 | The sensor is not paired with the io motor or receiver.                                         | Pair the sensor with io motor or receiver; see <b>2.4.</b>                                                                                                                                                     |
|                                                                                 | The threshold is incorrectly set.                                                               | Alter the threshold; see <b>2.4.4.</b>                                                                                                                                                                         |
|                                                                                 | External radio equipment is interfering with the radio reception (e.g. Hi-Fi radio headphones). | Turn off all radio equipment nearby.                                                                                                                                                                           |

### 2.5.2. Unpairing the Eolis io from an io receiver or motor

The procedure to be followed to unpair the Eolis io from an io receiver or motor is identical to the pairing procedure, see section 2.4.1.

### 2.5.3. Replacing a broken or faulty Eolis io

- 1) Press the PROG button on the Somfy io local control point until the motorised product performs an up-and-down movement ( $\approx 2$  s).



- 2) Press the PROG button (H) on the new Eolis io **for 7 seconds**:

The LED on the new Eolis io (I) is lit green after 2 seconds and remains lit for 5 seconds:

All the broken or faulty sensors are deleted from the memory of the io motor(s) or receiver(s).



- 3) Pair the new Eolis io with the io motor(s) or receiver(s); see section 2.4.1.

### 2.5.4. Returning the Eolis io to its original configuration

- 1) Press the PROG button (H) on the Eolis io **for 7 seconds**:

The LED is lit green after 2 seconds and remains lit for 7 seconds:

The original Eolis io settings have been restored and the io bi-directional control points have been deleted.

- 2) To use the new Eolis io, carry out a complete commissioning procedure; see 2.4.

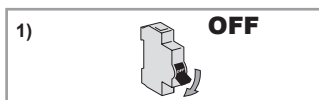
### 2.5.5. Disassembling the Eolis io

#### Attention

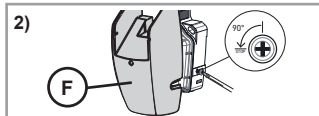


- Perform disassembly and wiring operations away from any dust, moisture or foreign bodies to maintain tightness.
- Never remove the cover located under the anemometer.

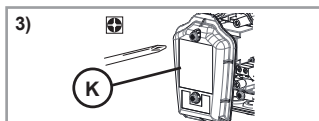
- 1) Switch off the mains power supply.



- 2) Loosen the screws located on the protective housing (F) and unclip the protective housing (F) from the mounting bracket (G).



- 3) Unscrew the front panel of the mounting bracket (K) to remove the housing and access the terminal blocks and the mode selector.



- 4) If necessary, loosen the screws fastening the mounting bracket to the wall.

## 3. USE AND MAINTENANCE

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This product is maintenance-free and no maintenance operations should be performed on it.

### 3.1. WIND FUNCTION

#### 3.1.1. The wind begins to blow

When the wind exceeds the set sensitivity threshold:

- The wind LED is permanently lit green,
  - The motorised products connected to the Eolis io sensor move to the safety position automatically.
- ① *It is impossible to prevent the motorised products from reacting or to change their position while the wind is blowing stronger than the threshold set.*

#### 3.1.2. The wind stops blowing

When the Eolis io sensor has not detected any wind for 30 seconds:

- The Wind LED goes off.
- It is then possible to control the motorised products in manual mode.
- All the automatic functions will remain locked for another 11 min 30 s.

### 3.2. WIND AND RAIN FUNCTIONS IN SAFETY MODE

Applicable if an Ondeis rain sensor is connected to the Eolis io sensor and safety mode is selected.

#### 3.2.1. The wind begins to blow and/or it is raining

If the wind speed exceeds the sensitivity threshold set **and/or** the Ondeis rain sensor detects rain:

- The wind LED is permanently lit green,
  - The motorised products connected to the Eolis io sensor move to the safety position automatically.
- ① *It is impossible to prevent the motorised products from reacting or to change their position while the wind is blowing stronger than the threshold set and/or the Ondeis rain sensor detects rain.*

#### 3.2.2. The wind stops blowing but it is still raining

As long as the Ondeis sensor detects rain, the motorised product remains in the safety position:

#### 3.2.3. The wind continues to blow but it is no longer raining

As long as the Eolis io sensor detects that the wind exceeds the threshold set, the motorised product remains in the safety position:

#### 3.2.4. The wind stops blowing and it is no longer raining

When the Eolis io sensor no longer detects any wind for 30 s **and** the Ondeis rain sensor no longer detects any rain:

- The wind LED goes off.
- It is then possible to control the motorised products in manual mode.
- All the automatic functions will remain locked for another 11 min 30 s.

### 3.3. WIND AND RAIN FUNCTIONS IN COMFORT MODE

Applicable if an Ondeis rain sensor is connected to the Eolis io sensor and comfort mode is selected.

#### 3.3.1. The wind begins to blow (and it is or is not raining)

When the wind exceeds the set sensitivity threshold:

- The wind LED is permanently lit green,
- The motorised products connected to the Eolis io sensor move to the safety position automatically.

① *It is impossible to prevent the motorised products from reacting or to change their position while the wind is blowing stronger than the threshold set.*

#### 3.3.2. The wind stops blowing and it is not raining

When the Eolis io sensor no longer detects any wind for 30 s **and** the Ondeis rain sensor does not detect any rain:

- The Wind LED goes off.
- It is then possible to control the motorised products in manual mode.
- All the automatic functions will remain locked for another 11 min 30 s.

#### 3.3.3. The wind stops blowing and it is raining

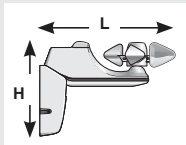
When the Eolis io sensor no longer detects any wind for 30 s **and** the Ondeis rain sensor detects rain:

- If it is paired with a Somfy io bi-directional control point, such as TaHoma or Connexoon, via the Eolis io, the programmed scenario is activated.
- The automatic functions will remain locked for another 11 min 30 s. If the Ondeis sensor detects rain after this time frame via the Eolis io, the motorised products automatically move to the bottom end limit.

### 3.4. QUESTIONS ABOUT THE EOLIS IO?

| Observations                                                                   | Possible causes                                                                                 | Solutions                              |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------|
| The motorised product does not automatically retract when the wind is detected | External radio equipment is interfering with the radio reception (e.g. Hi-Fi radio headphones). | Turn off all radio equipment nearby.   |
|                                                                                | The threshold is incorrectly set.                                                               | Alter the threshold; see <b>2.4.4.</b> |
| The motorised product rises once an hour.                                      | The sensor is not operating.                                                                    | Contact an installer.                  |

## 4. TECHNICAL DATA

|                                                                                   |                                                                                                                      |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Radio frequency                                                                   | 868-870 MHz io-homecontrol®, two-way Tri-band                                                                        |
| Frequency bands and maximum power used                                            | 868.000 MHz - 868.600 MHz par <25 mW<br>868.700 MHz - 869.200 MHz par <25 mW<br>869.700 MHz - 870.000 MHz par <25 mW |
| Degree of protection                                                              | IP 34                                                                                                                |
| Electrical insulation                                                             | Class II                                                                                                             |
| Power supply                                                                      | 230 V 50 Hz                                                                                                          |
| Operating temperature                                                             | - 20°C to + 50°C                                                                                                     |
| Dimensions in mm (L x H)                                                          | 236 x 160 mm                                                                                                         |
|  |                                                                                                                      |
| Maximum number of connected motors                                                | Unlimited                                                                                                            |



SOMFY ACTIVITES SA hereby declares that the radio equipment covered by these instructions is in compliance with the requirements of Radio Directive 2014/53/UE and the other essential requirements of the applicable European directives.

The full text of the EU Declaration of Conformity is available at [www.somfy.com/ce](http://www.somfy.com/ce).