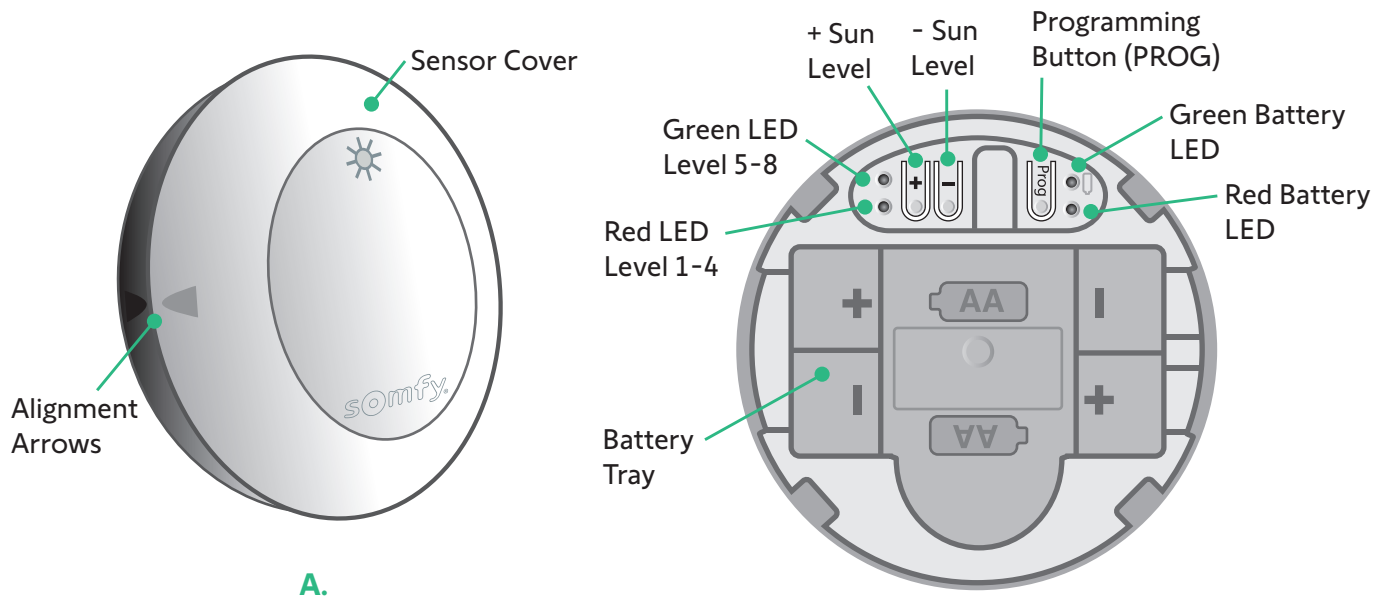# Sunis Outdoor WireFree™ RTS Sun Sensor

The Sunis Outdoor WireFree™ RTS Sun Sensor provides control of your RTS motorized awnings, pergolas, exterior screens and rolling shutters based on current sun light levels. The precise sun level can easily be selected with 8 possible levels of light sensitivity.
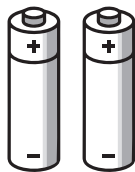
**Note:** The sun function can be enabled/disabled via a Somfy Soliris RTS transmitter. A transmitter must be provided with each installation to enable/disable the sun function.
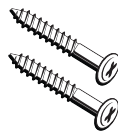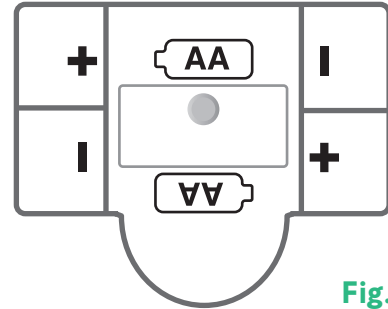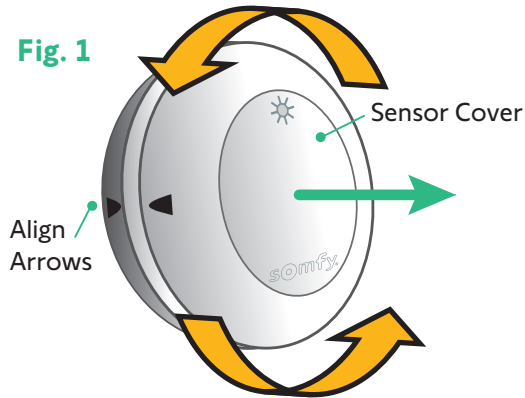
## 1   Introduction

Sensor Cover

+ Sun Level

- Sun Level

Programming Button (PROG)

Green LED Level 5-8

Green Battery LED

Red LED Level 1-4

Red Battery LED

Battery Tray

Alignment Arrows

**A.**

**Inside Cover**

**B.**          **C.**

**Included:**
A. Sunis RTS sensor with built in mounting base
B. 2 AA alkaline batteries
C. 2 mounting screws
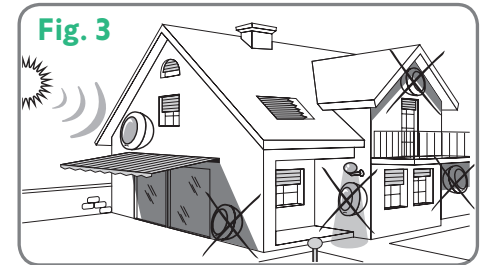
## 2 Battery Installation

1. Rotate the top cover clockwise to align the arrows on the base and sensor cover. Then open the sensor by lifting the sensor top from the mounting base. (Fig. 1)

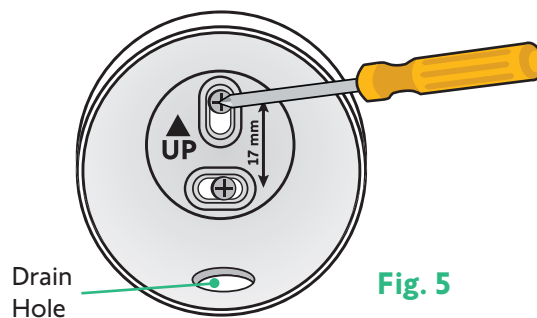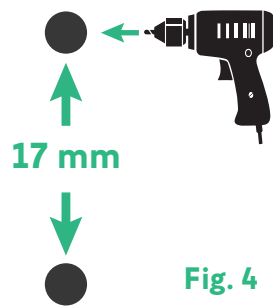2. Install the batteries paying attention to the polarity shown on the base. (Fig. 2)

**Fig. 1**

Sensor Cover

Align Arrows

**Fig. 2**

## 3 Mounting

### Mounting the Sunis Outdoor Wirefree™ RTS Sun Sensor to an outside wall

**Note:** The Sunis Outdoor WireFree™ RTS Sun Sensor must be mounted to an outside vertical wall. The mounting location is critical (Fig. 3). Mount the Sunis facing the direction the window covering protects from the sun. Ensure it is clear from obstruction that could shade the covering during the day.

**Fig. 3**

1. First, Drill two holes 17mm apart (Fig. 4). Remember to use the correct bit type for the wall material.

2. Mount the Sunis Outdoor WireFree™ RTS Sun Sensor base with the up arrow facing up and the drain hole facing directly down (Fig. 5) If appropriate consider using wall anchors.

**17 mm**

**Fig. 4**

UP

17 mm

Drain Hole

**Fig. 5**

## Pairing a Sunis Outdoor WireFree™ RTS Sun Sensor to the Shading Solution

1. Press the programming button on the RTS transmitter for 3+ sec until the window covering moves.

2. Press the Programming button on the Sunis. (Fig. 6) The green Prog LED will light and the window covering will move. The Sunis has been paired with the motor.

To delete/remove the sensor - Repeat steps 1 and 2 above.

To delete all sensors when adding a new sensor, follow steps 1 and 2 above except on step 2 hold the prog button until the covering moves twice. This clears all sensors. Then, repeat steps 1 and 2 normally to add the new sensor.
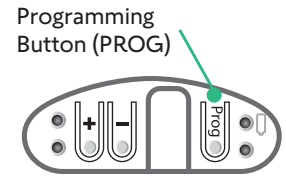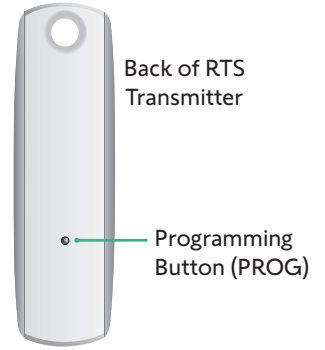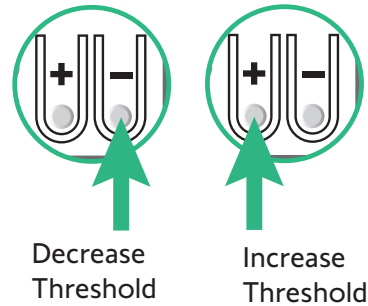
Back of RTS Transmitter

Programming Button (PROG)

Programming Button (PROG)

**Fig. 6**

**Note:** A Soliris transmitter must be programmed to the awning, pergola, exterior screen or rolling shutter to allow the user to Enable/Disable the sun function. If a sensor is removed or damaged, it must be cleared from the motor memory.
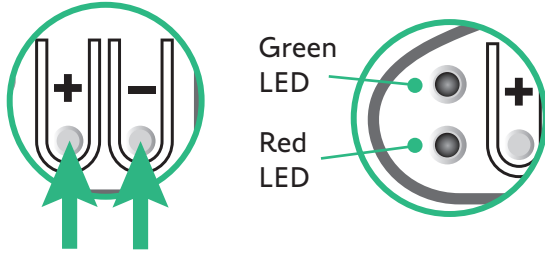
## Setting Sun Threshold Level

| Thresholds | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|
| Sunlight Intensity (kLux) | 1 | 5 | 10 | 20 | 40 | 55 | 75 | 100 |
| LED active | Red | | | | Green | | | |
| Number of Flashes | ☆ | ☆☆ | ☆☆☆ | ☆☆☆☆ | ★ | ★★ | ★★★ | ★★★★ |

Decrease Threshold

Increase Threshold

The Sun Threshold level can be adjusted up or down by a short press of the + or - button. For levels 1 to 4 the Red LED will blink 1 to 4 times to confirm the level. For levels 5 to 8 the Green LED will blink.

Green LED

Red LED

| Time Delays | No Sun | Sun |
|---|---|---|
| Normal Mode | 15-30 min | 2 min |
| Demo Mode | 15 sec | 10 sec |

Demo Mode allows the Sunis Outdoor WireFree™ RTS Sun Sensor to be more easily tested by reducing the delay times.

1. Pressing the + & - together will cause the Sunis to cycle in or out of Demo Mode.

2. The Red and Green LEDs will alternate when entering Demo Mode and blink together when exiting.

3. The Sunis will automatically time out of Demo Mode in 3 min.

**Note:** Visit **https://store.somfysystems.com/** to purchase an additional or replacement product.

WARNING: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

AS WITH ANY PRODUCT INVOLVING GENERATION OF ELECTRICAL POWER, CAUTION MUST BE USED AT ALL TIMES. PLEASE CAREFULLY READ AND FOLLOW ALL OF THE INSTRUCTIONS.

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