

Thermosunis Indoor Wirefree RTS

Sunis Indoor Wirefree RTS





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



Ref: 5055118A



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These installation instructions must be read carefully and in full in order to use the product's functionalities to their full extent.

Subject to technical modifications.

Safety instructions

- This Somfy product must be installed by a person with professional knowledge of motorisation and home automation, 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 use this product.
- Moreover, the installer must comply with the current standards and legislation in the country in which the product is being installed and inform his customers of the usage and maintenance conditions relevant to the product.
- Any use outside the area of application defined by Somfy is not approved.
- In this event, as for all usage not consistent with the instructions given herein, Somfy accepts no responsibility for harm or damage.

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General information

This is a radio sensor which controls interior motorised roller shutters and blinds according to the amount of sunshine and the interior temperature*. It is compatible with SOMFY RTS radio motors and RTS radio receivers and can be connected to several motors and receivers.

*Only with Thermosunis Indoor Wirefree RTS

Sunis Indoor Wirefree RTS part number: 9 013 707

Thermosunis Indoor Wirefree RTS part number: 9 013 708

Technical data:

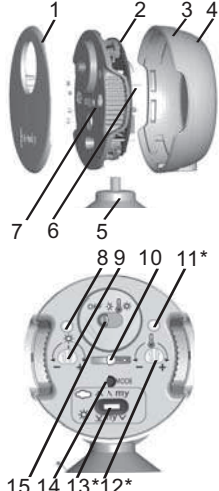
Frequency	433, 42 MHz	Protection category	III
Type of battery	CR 2430	Temperature range	0°C - +60°C (32°F - 140°F)
Index protection rating	IP 31		

Part list:

1	Thermosunis Indoor Wirefree RTS or Sunis Indoor Wirefree RTS
1	Suction cup for mounting on the window/window sill
1	Installation instructions

Components

- 1 Front cover
- 2 Sun sensor
- 3 Rear cover
- 4 Sun detection zone
- 5 Suction cup
- 6 Battery bracket + battery
- 7 Sensor bracket
- 8 Sunshine LED
- 9 Sun threshold setting control
- 10 Programming button (PROG)
- 11 Temperature LED*
- 12 Temperature threshold setting control*
- 13 Function selector*
- 14 Mode button
- 15 ON/OFF button



* only on Thermosunis

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Mode selector (Thermosunis)

To make optimum use of the sensor, select one of the three following operation modes.

Caution: The Sunis Indoor Wirefree sensor is only fitted with mode 1. It cannot be adjusted.

	Mode 1	Mode 2	Mode 3
Operation			
Sensor for a single roller shutter	X		
Sensor for several roller shutters/blinds		X	
Sensor for an interior blind			X

Key:

Upper end limit
 Lower end limit

Sensor position
 Favourite position ("my")

Operation (Thermosunis)

If the temperature is lower than the pre-set threshold, the sun function will be OFF. If the temperature is greater than the pre-set threshold, the sun function will be ON.

	Mode 1	Mode 2	Mode 3
Sun	If the sunshine threshold has been exceeded for 5 minutes (demonstration mode - 5 seconds), the shutter/blind will move up to the sensor and will raise to leave the sensor free.	If the sunshine threshold has been exceeded for 5 minutes (demonstration mode - 5 seconds), the shutter/blind will move to the favourite position ("my").	If the sunshine threshold is exceeded for 5 minutes (demonstration mode - 5 seconds), the shutter/blind will move to the lower end limit.
Lack of sunshine	If the sunshine threshold has not been reached for a maximum of 30 minutes (demonstration mode - 30 seconds), the shutter/blind will move to the upper end limit.	If the sunshine threshold has not been reached for a maximum of 30 minutes (demonstration mode - 30 seconds), the shutter/blind will move to the upper end limit.	If the sunshine threshold has not been reached for a maximum of 30 minutes (demonstration mode - 30 seconds), the shutter/blind will move to the favourite position ("my").

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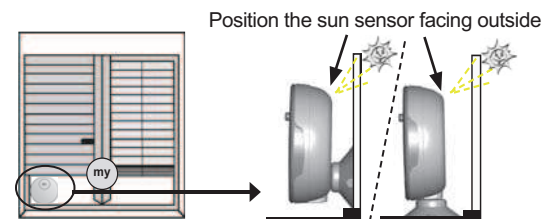
Caution: If the sensor is inhibited by a manual or temporary "down" order, the automatic sun function will be deactivated.



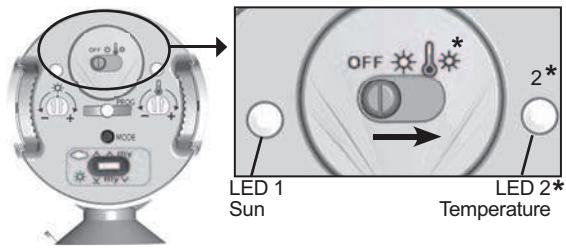
Mounting the sensor

Use the suction cup to mount the sensor to the inside of the window or on the interior window sill:

- Function selector in mode 1 Mount under the shade area required for the roller shutter.
- Function selector in mode 2 "my" Mount under the position (favourite position).
- Function selector in mode 3 Mount between the window and interior blind.



Turning the sensor on



OFF		
OFF	Sun function active ☞ LED 1 lights up for 5 seconds.	Automatic sun and temperature function active ☞ LED 1 lights up for 5 seconds.

* only on Thermosunis

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Initialising the sensor

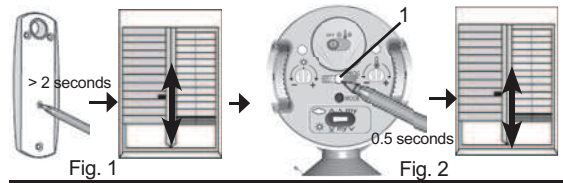
A) Set the RTS motor/radio receiver to programming mode.

- Press the programming button on the remote control or radio receiver for approximately 2 seconds:

⇒ the shutter/blind will briefly move up and down. ☞ Fig. 1

- Briefly press (0.5 seconds) the sensor programming button (1).
⇒ the shutter/blind will briefly move up and down. ☞ Fig. 2
⇒ the sensor is ready for use.

Caution: If the sensor needs to be programmed with several RTS motors or radio receivers, repeat steps A and B for each radio motor or each RTS radio receiver.



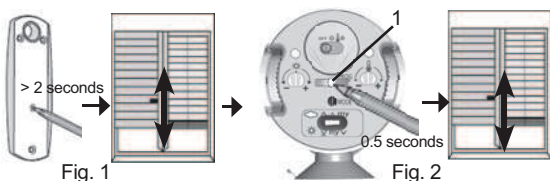
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Deleting the sensor

Deleting the sensor (must be on)

- Place the RTS motor/radio receiver into programming mode (see point A on page 10).
- Briefly press (0.5 seconds) the sensor programming button (1).
⇒ the shutter/blind will briefly move up and down. ☞ Fig. 2
⇒ the sensor is deleted.



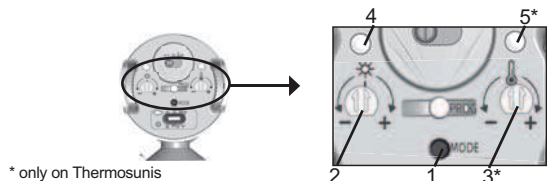
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Setting the threshold

Caution: The threshold can still be set when the sensor is on. The LEDs will remain lit during potentiometer rotation (2, 3*). The LEDs will go off if potentiometer rotation is interrupted for approximately 15 seconds or stopped.

- Briefly press the mode button (1)
- Turn the Sun (2) or Temperature (3*) potentiometer fully clockwise to the (+) position.
⇒ The Sun (4) or Temperature (5*) LED will light up/flash "red".
- Slowly turn the Sun (2) or Temperature (3*) potentiometer anticlockwise (-) until the LED (sun or temperature*) changes from "red" to "green".
⇒ The current light/temperature value is set as the threshold value (value where a command will be performed).



* only on Thermosunis

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Demonstration mode

The demonstration mode can be used for demonstration purposes as well as for setting the threshold, as reaction times are shorter.

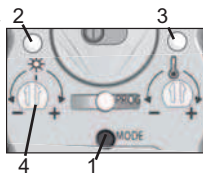
- Press the Mode button (1) for more than 2 seconds.
 - ⇒ The LEDs (2, 3*) will flash for approximately 30 seconds.
 - ⇒ Demonstration mode is active.
- Press the Mode button (1) again for more than 2 seconds.
 - ⇒ The LEDs (2, 3*) remain lit.
 - ⇒ User mode is active.
- Briefly press the Mode button (0.5 seconds).
 - ⇒ Displaying the current setting

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Caution: If no buttons are pressed in demonstration mode, the sensor will automatically change to user mode after 3 minutes.



If the Sun potentiometer (4) is turned fully anticlockwise (-) in demonstration mode or user mode, this will simulate sunshine. The curtain will move to the lower end limit or to the "my" position and will remain in this position.



* only on Thermosunis

Battery

Type: CR 2430

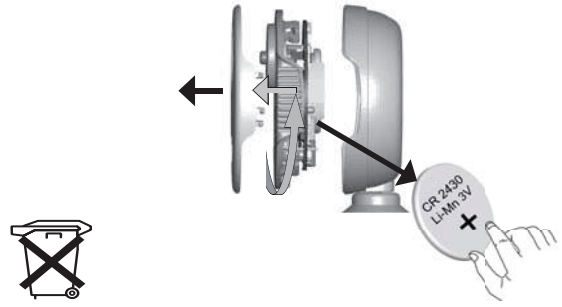
Low battery warning: The Sun and Temperature LEDs* will be orange

* only on Thermosunis

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Replacing the battery:

Do not use any tools when replacing the battery.
⚠ Risk of damage.

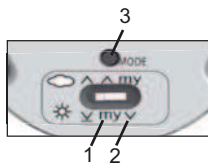


EU/US selection mode (Thermosunis)

Factory setting: US Mode

Changing the mode

- Place the mode selector to Mode 2 (1) or Mode 3 (2).
- Turn the sensor off (OFF).
- Press and hold the Mode button (3) for approximately 2 seconds when the sensor is turned on.



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- ☞ US ⇒ EU sun LED changes from red to green
- ☞ EU ⇒ US sun LED changes from green to red

Caution: If a malfunction occurs during movement:



The receiver and sensor must be set to the same mode: EU mode or US mode.

☞ see installation guide for the receiver.

Caution: Sunis Indoor Wirefree RTS operation only in mode 1



Questions and answers

EN

Fault	Cause	Deletion
The shutter/blind does not react to sun and/or temperature	The sensor is off.	Switch the sensor on ☞ Page 9
	The sensor has not been programmed.	Program the sensor ☞ Page 10
	The threshold values have been incorrectly set.	Correct the threshold values ☞ Page 12
	The battery is weak.	Replace the battery ☞ Page 14
	The sun sensor cover is dirty.	Clean the cover ☞ Page 5
	The sensor is incorrectly positioned.	Reposition the sensor ☞ Page 8
The shutter/blind moves too frequently	The sensor is in demonstration mode.	Change the sensor to normal mode ☞ Page 13
The shutter/blind reacts incorrectly	A bright light source is affecting the sensor.	Switch off the light source and select a new location
The shutter/blind does not react to the sun or only moves in one direction	There is no favourite position ("my") programmed into the motor.	Program the "my" position (☞ corresponding installation instructions) or set the sensor to mode 1

For any additional information, please contact your dealer or our technical assistance ☞ Pages 62, 63