



## Dimmable LED RTS Light Kit

# 1811491 Warm White  
# 1811506 Cool White

EN Installer Manual

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### Introduction:

The Dimmable LED RTS Light Kit is an accessory used to add exterior lighting to motorized awnings featuring Radio Technology Somfy®. This lighting option allows for 12 levels of brightness and also features the Somfy "MY" favorite position to set a preferred lighting level. Available as a turn-key kit including a receiver, 4 LED light bars (warm or cool white) or customizable to suit any lighting needs. This plug and play kit installs easily without the need for an electrician and is ideal for existing or new installations. Since it features RTS, it is compatible with all RTS transmitters.

#### Overview

- Completely plug and play, no electrician required
- 12 levels of brightness
- MY position
- Up to 60w of 12V DC LED lighting (daisy chain 6 LED strips)
- Compatible with full range of RTS hand-held remotes, wall switches, Somfy app
- Ideal for new and existing installations.

### Safety:

Before installing and using this product, please read these instructions carefully.

The installer must comply with current national and local codes and standards in the country in which the product is being installed, and inform his customers of the operating and maintenance conditions for this product.

Any use outside the field of application specified by Somfy invalidates the warranty and discharges Somfy of all liability, as does any failure to comply with the instructions given herein.

Before installing please check the compatibility of this product with the associated equipment and accessories.

#### Specific safety advice:

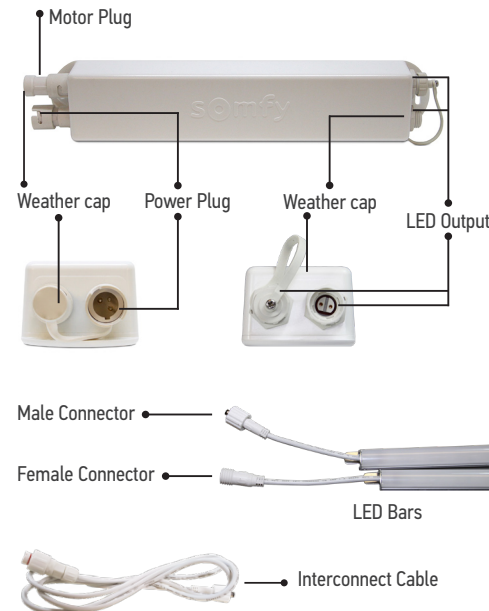
- When used in wet locations, this product must be powered by a GFCI protected source.
- Where possible, mount the unit under cover.
- All cables leaving the receiver must be routed down (drip loop) as they first leave the receiver.
- Never drop, knock, drill or submerge the receiver.
- Do not use abrasive products or solvents to clean the receiver.
- Do not clean it using a water spray or high pressure cleaning methods.
- Ensure that the receiver is kept clean and regularly check if it is operating correctly.

### Receiver Specifications:

Power In: 120-230VAC 50-60Hz  
LED Power Out: 12V DC 60W Max. (up to 6 Somfy LED bars)  
Motor Power Out: 2.5A Max 120-230VAC 50-60Hz  
Maximum Range: 65 ft. under optimal conditions  
Operating Temperature: -4°F to 104°F (-20°C to +40°C)

### LED bars specifications:

LED bar dimensions: 3.3Ft x 0.75"  
LEDs per bar: 120  
LED bar power: 9.6W @ 12V DC  
LED colors: WW = 3500k, CW = 6500k



### What is in the box:

- 1 x LED dimming RTS receiver
- 1 x 5 ft. interconnect cable
- 1 x 25 ft. interconnect cable
- 4 x LED bar 12V DC with adhesive tape (Warm White or Cool White)

### Optional accessories:

- 2 pole white plug with screws for 12V DC LEDs # 9019954
- Interconnect cable 0.5 ft. # 9019955
- Fast Connect power cord:
  - 10.4 ft. # 9020791
  - 18 ft. # 9020792
  - 24 ft. # 9020793

## GETTING STARTED

1. Choose a location to mount the receiver. It is recommended to mount the receiver under cover. Beneath the awning provides weather protection and optimal RF reception.

1.1 The surface should be reasonably flat and have enough room for easy access to connect the cables on both sides.

1.2 If you are connecting a Sunea motor with Quick connect to the LED Control, ensure the motor socket is close enough to the motor for the motor cable to reach.

1.3 Confirm the interconnect cables will reach. If mounting LED bars on the arms of a long awning, the LED control may need to be mounted closer to the center and a 2nd 15ft interconnect cable may need to be ordered.

2. Fasten the LED Control to the selected surface using #8 screws appropriate for the material you are mounting to.

3. Mount the LED bars.

**NOTE:** If mounting the LED bars on or near an awning, ensure the desired mounting location has clearance for the LED bars and the cables and LED bars are clear of contact from other moving parts through the full travel of the awning.

**NOTE:** The LED bars can be mounted using the included double sided tape or with screws through the mounting tabs.

If using the tape, ensure the surface is clean and dry. Double check the mounting location as the tape attaches strongly.

3.1 If mounting LEDs to the awning arms, ensure the LED bars on the front arm and the back arm are close enough to the arm joint that the connector cables are not pulled tight when the arms are extended or retracted and roughly the same distance from the arm joint to reduce bending of the cables.

**NOTE:** Make certain to mount the LED bars with the female connector closest to the LED control.

4. Interconnection Cables (From White sockets on LED control to Female connector on LED bar)

4.1 Press the interconnection cables into the connections and then screw down on both the Control and LED bar sides. The connectors are keyed to prevent incorrect connections.

4.2 For the awning arm kit, use the 5' connection cable to connect to the close arm and the 25' to connect to the far arm. If mounting to the arms on a long awning, you may need to mount them in the middle and order another cable (5, 15 and 25 ft. cables are available separately).

4.3 Use zip ties or cable guides to secure the cable. Leave enough free cable at joints to prevent the cable from pulling tight or bending at a sharp angle.

4.4 Ensure the cables are free from pinching, pulling or contact with moving parts through the full travel of the awning.

4.5 If only connecting 1 series (string) of LED bars to the LED Control, leave the weather cap tight on the spare socket.

5 Connect Power (Optional - and motor). When used in wet locations, this product must be powered by a GFCI protected source. All cables leaving the receiver must be routed down (drip loop) as they first leave the receiver.

5.1 If used with a Sunea motor with quick connect, the existing motor power cord can likely be used. Ensure the control is mounted close enough to the motor.

5.2 Connect the power cord into the power connector and engage locking ring.

**(The power cord is purchased separately)**

5.3 If connecting a Sunea® motor with quick connect, remove the weather cap and screw the motor into the socket.

## Programming

### FEEDBACK

On each programming step the LED Control will give a blink of the connected LEDs as feed back to confirm the command was accepted. If the LEDs are off, the feedback is a blink on and then back off. If the LEDs are on, the feedback will be a blink off and then back on. Some programming functions give a slow blink 2 to 3 seconds on/off (or off/on as mentioned above) and others will provide a fast blink as feedback.



### POWER UP

When power is first applied to the LED Control, the LEDs will give a slow blink.

This is the indication that the LED Receiver is not programmed.

### MEMORIZING THE 1st TRANSMITTER

1. Power up the LED Control and verify that the LEDs give a slow blink.
2. Press and the UP and DOWN buttons simultaneously. The LEDs will give slow blink.
3. Press the programming button until the LEDs give a slow blink. The transmitter is now programmed.

### ADDING ADDITIONAL TRANSMITTERS (CHANNELS)

A total of 12 RTS transmitters (channels) can be memorized by the LED Receiver

1. With the LEDs OFF, use a programmed transmitter and press and hold the PROGRAMMING button until the LEDs give a slow blink
2. Press the PROGRAMMING button of the transmitter you wish to add, the LEDs will give a slow blink. The transmitter is ready for your use.

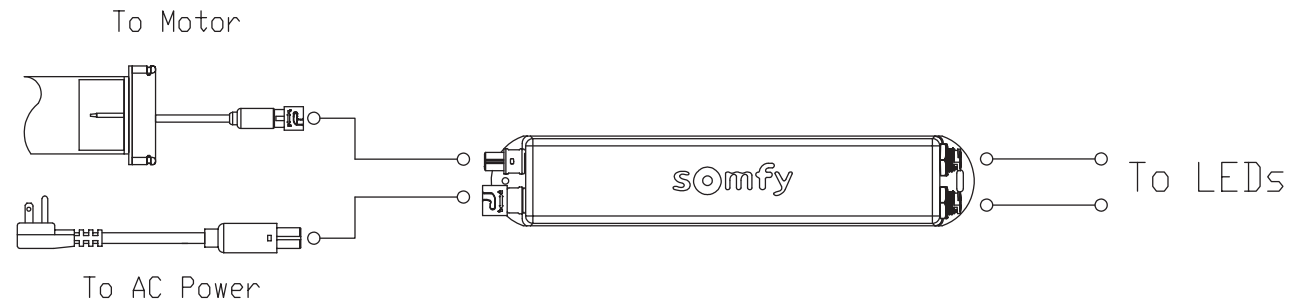
## Factory Reset

If all programmed transmitters are lost or broken, the LED control can be reset to factory setting to allow a new transmitter to be added.

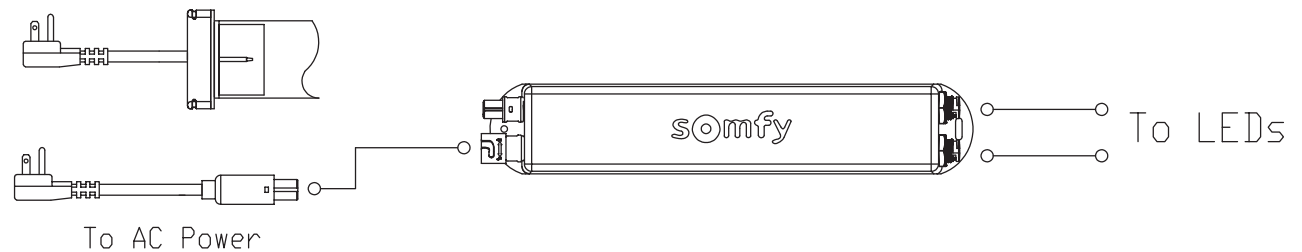
1. If a motor is connected to the LED control, disconnect the motor before starting. Reconnect the motor after the LED control has been reprogrammed.
2. Cut power for 5 seconds.
3. Restore power for 10 seconds.
4. Cut power for 5 seconds.
5. Restore power. The LED control should start a slow on/off blink cycle that will continue for 2 minutes if no other commands are given.
6. While the LEDs are in the on/off blink cycle, press and hold the programming button on the transmitter until the LEDs give a fast blink on/off and then a second blink on/off and then remain off.

The control is now reset and can be programmed with a new transmitter.

## Wiring Diagrams



**Example 1:** Utilizing the Sunea® motor the receiver is plugged into the motor and both are powered from the same source via Sunea® power cord.



**Example 2:** The receiver and motor are plugged separately for power, each directly into the power outlet.

NOTE: The receiver can be used with most 12V LED lights, up to 60w.

## Function

### Setting and using the Favorite "MY" light level

1. To set the Favorite "MY" light level use the up or down button to dim the LEDs to the desired light level.
2. Press and hold the "MY" button until the LEDs blink twice.

The favorite "MY" level is set. A short press of the "MY" button will move the light level to the set favorite.

### LED 3 hour Timer

The LED Control has a 3 hour Timer that can be enabled or disabled as desired. The timer is disabled in the factory default mode.

With the Timer enabled, the control will automatically turn off the LEDs 3 hours after the last command is given.

#### Enable the Timer

Simultaneously press and hold for approximately 7 seconds the UP, MY, and DOWN buttons until the LEDs give a fast blink.

**One blink = 3 hour Timer Enabled**

#### Disable the Timer

Simultaneously press and hold for approximately 7 seconds the UP, MY, and DOWN buttons until the LEDs give a fast blink.

**Two blinks = 3 hour Timer Disabled**

Each time the UP, MY and DOWN buttons are held for 7 seconds will toggle the Timer on or off.

BUTTON PRESS	FUNCTION
<b>Short press on UP</b>	LEDs ON 100%
<b>Short press on DOWN</b>	LEDs OFF
<b>Hold the UP</b>	Dim LEDs UP
<b>Hold the DOWN</b>	Dim LEDs DOWN
<b>Hold the MY</b>	Set the favorite light level
<b>Short press on MY</b>	Go to the set favorite level