

# UNIVERSAL RECEIVER RTS

## DESCRIPTION

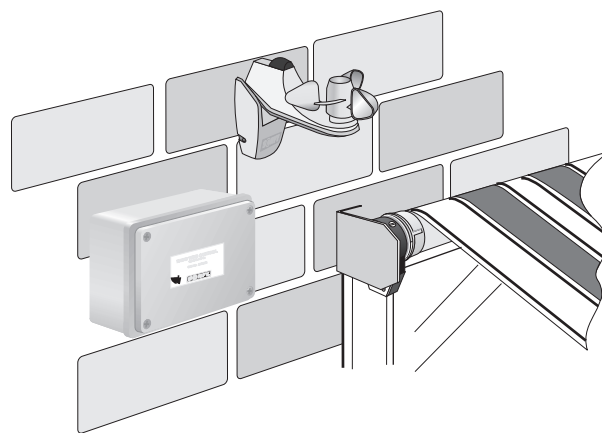


Part No.: 1810627

The SOMFY Universal Receiver provides RTS capability to Somfy's standard motors. It can be used stand-alone as a radio control, or with Somfy's RTS sensors for sun and wind control. Used with the Eolis Sensor RTS, wireless wind protection of a retractable awning is possible. If sun protection is also desired, simply use the Soliris Sensor RTS. Two user-defined intermediate positions can be programmed. This control is packaged in a weatherproof enclosure and includes watertight strain-relief fittings for wires entering the box.

## INSTALLATION PROCEDURES

1. The Universal Receiver should be mounted as close to the motor as possible. If mounted outside, ensure that the connections are facing down to avoid rain seepage. Avoid mounting the control against any metallic surface, as this may affect radio reception.
2. Connect high voltage wires according to the wiring diagram on the next page. Make sure to use included watertight strain relief fittings to maintain the weatherproofing of the enclosure.
3. If used, the RTS sensor should be placed close to the awning or shading system to make sure the wind speed or sun intensity is measured at the product. Guard against installing the wind sensor too close to an obstruction such as a chimney, gutter or the window covering itself, which could block the wind and cause erroneous sensor readings. The sensor should also not be mounted in the shade or be obstructed by trees, to ensure accurate sunlight readings.



## PROGRAMMING PROCEDURES

### RECORDING THE INTERMEDIATE POSITION FROM THE TOP OF THE WINDOW TREATMENT

- Bring the window treatment to its upper limit using the Telis transmitter. Press the DOWN and MY buttons simultaneously until the awning begins to move, then release.
- Stop the window treatment at the intermediate position desired. Press the MY button for 2 seconds to memorize that position.

### RECORDING THE INTERMEDIATE POSITION FROM THE BOTTOM OF THE WINDOW TREATMENT

- Bring the motorized treatment to its lower limit. Press the UP and MY buttons simultaneously until the awning begins to move, then release.
- Stop the window treatment at the position desired. Press the MY button for 2 seconds to memorize that position.

### DELETING AN INTERMEDIATE POSITION

- Briefly press the MY button of the Telis transmitter to reach the desired intermediate position.
- Continue to press the MY button for 10 seconds until the programming LED on the Centralis Receiver stops blinking. That position is now deleted.

### TO ADD A NEW TRANSMITTER or SENSOR TO THE MEMORY OF THE RECEIVER

- Press the programming button, for more than 2 seconds, on a transmitter that is already memorized by the Universal Receiver to wake up the receiver. The programming LED on the Receiver will blink, and the motor will jog. Press the programming button on the new transmitter or sensor to attach it to the Universal Receiver. The programming LED on the receiver will light and the motor will jog indicating the transmitter or sensor is memorized.

### TO REMOVE A TRANSMITTER or SENSOR FROM THE MEMORY OF THE RECEIVER

- Press the programming button, for more than 2 seconds, on a transmitter that is already memorized by the Universal Receiver to wake up the receiver. The programming LED on the Receiver will blink, and the motor will jog. Press the programming button on the transmitter or sensor you want to remove from memory. The programming LED on the receiver will light and the motor will jog indicating that transmitter or sensor will no longer operate the Universal Receiver.

### TO REMOVE ALL TRANSMITTERS or SENSORS FROM THE MEMORY OF THE RECEIVER

- Press and hold the programming button of the Universal Receiver for more than 7 seconds until the LED blinks and the motor jogs twice. This removes ALL memorized transmitters or sensors.

## SOMFY CANADA





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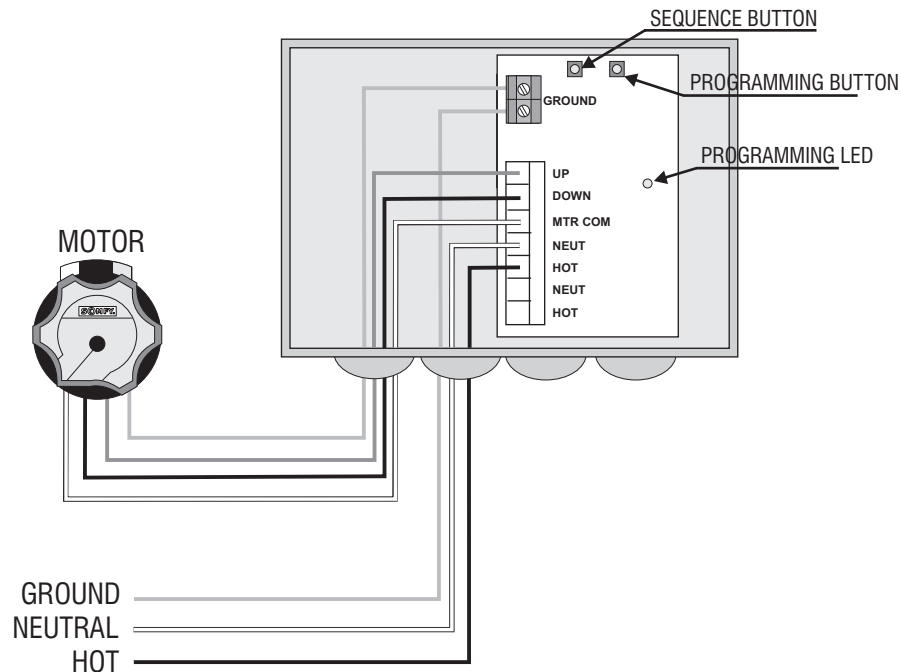
# WIRING DIAGRAM

## COLOR CODE

	BLACK
	RED
	GREEN
	WHITE

### CAUTION:

Mount control with fittings facing downward!



## OPERATING INSTRUCTIONS

### System Set Up

1. With power off, wire the Universal Receiver as indicated above. Turn all circuit breakers on (motors should not move).
2. The motor can be tested using the Sequence button located on the Universal Receiver board. Each press of the switch will sequence through the directions as follows;  
DEPRESS 1 UP DIRECTION  
DEPRESS 2 STOP  
DEPRESS 3 DOWN DIRECTION  
DEPRESS 4 STOP
3. Set the Universal Receiver into programming mode by pressing the programming button until the LED lights (about 2 seconds). The motor will jog.
4. Press the programming button on the Telis transmitter or RTS sensor to be memorized. The programming LED will blink and the motor will jog indicating the device has been memorized.
5. Operate the motor in the DOWN direction using the radio transmitter.
6. The motorized treatment should move down or out. If this is incorrect, turn off the circuit breakers and reverse the red and black wires of the motor. FAILURE TO CORRECT THIS ERROR WILL CAUSE DAMAGE TO AWNING BY EXTENDING IT DURING WINDY CONDITIONS.

### Operating Procedures

#### REMOTE ONLY CONTROL

1. Pressing the UP button on the Telis transmitter will move the window treatment up or in. The DOWN button will move the treatment down or out.
2. To stop the motorized treatment at any time, press the MY button on the transmitter.
3. To reach one of the intermediate positions, the window treatment must first be stopped at the upper or lower limit. Pressing the MY button on the transmitter will move the window treatment to the dedicated position.

#### WIND ONLY OPERATION

4. If wind monitoring is desired, an Eolis Sensor RTS or Eolis Wirefree must first be memorized into the receiver. Press the programming button on the receiver until the LED blinks and the motor jogs. Press the programming button on the bottom of the sensor. The programming LED on the receiver will light and the motor will jog, indicating the sensor has been memorized.
5. Set the desired wind speed on the sensor as specified in the product's operating instructions.
6. When the monitored wind speed is greater than the setting, the UP direction will activate after 2 seconds. As long as the wind speed remains high, all other commands will be ignored.
7. When the wind speed drops below the set value, a manual command can be given with the radio transmitter after only one minute.

#### SUN and WIND OPERATION

8. If sun and wind monitoring is desired, a Soliris Sensor RTS or combination Eolis Wirefree and Sunis must first be memorized into the receiver. Press the programming button on the receiver until the LED blinks and the motor jogs. Press the programming button on the sensor. The programming LED on the receiver will light and the motor will jog, indicating the sensor has been memorized.
9. Set the desired wind speed and sun intensity on the sensor as specified in the product's operating instructions.
10. When the monitored wind speed is greater than the setting, the UP direction will activate after 2 seconds. As long as the wind speed remains high, all other commands will be ignored.
11. When the measured sun intensity is greater than the set level, a DOWN command is given after a 2 minute delay, assuming no wind is present. If the upper intermediate position is set, the awning or shade will go to that position. Otherwise, it will go to the lower limit.
12. When the sun intensity falls below the set level, the awning will retract automatically after a 15 - 30 minute delay, assuming no wind present.