America's #1 Awning

For Technical Support visit us at www.sunsetter.com/ownerscorner,
e-mail contactus@sunsetter.com, or Call Toll Free 800-670-7071

Somfy® Rain Sensor

Installation & Operation Instructions

WARNINGS:

- **FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN PERSONAL INJURY! PLEASE READ THESE INSTRUCTIONS IN ITS ENTIRETY BEFORE ATTEMPTING TO COMPLETE THIS PROCESS.**
- **THE SENSOR DOES NOT OPERATE IN TEMPERATURES UNDER 32°F(0°C) OR ABOVE 140°F(60°C).**
- **STANDING WATER, SNOW, OR FROST DOES NOT ACTIVATE THE SENSOR. THIS SENSOR WILL NOT PROTECT YOUR AWNING FROM HEAVY SNOW. IF WEATHER CONDITIONS PRESENT THIS SORT OF RISK, ENSURE THAT THE AWNING REMAINS CLOSED.**
- **BE SURE THAT NO OBJECT OR PERSONS CAN COME IN CONTACT WITH THE AWNING AS IT CLOSES OR OPENS. WHILE UNATTENDED.**

NOTE: The Rain Sensor is a wireless radio transmitter compatible to work with SunSetter Awnings operated by a Remote Transmitter. This is a solar powered device that enables the Awning to be closed automatically during rain.

For interest in Sun Sensing functionality, please contact Somfy® directly to purchase a Somfy® Soliris Remote (not carried by SunSetter).

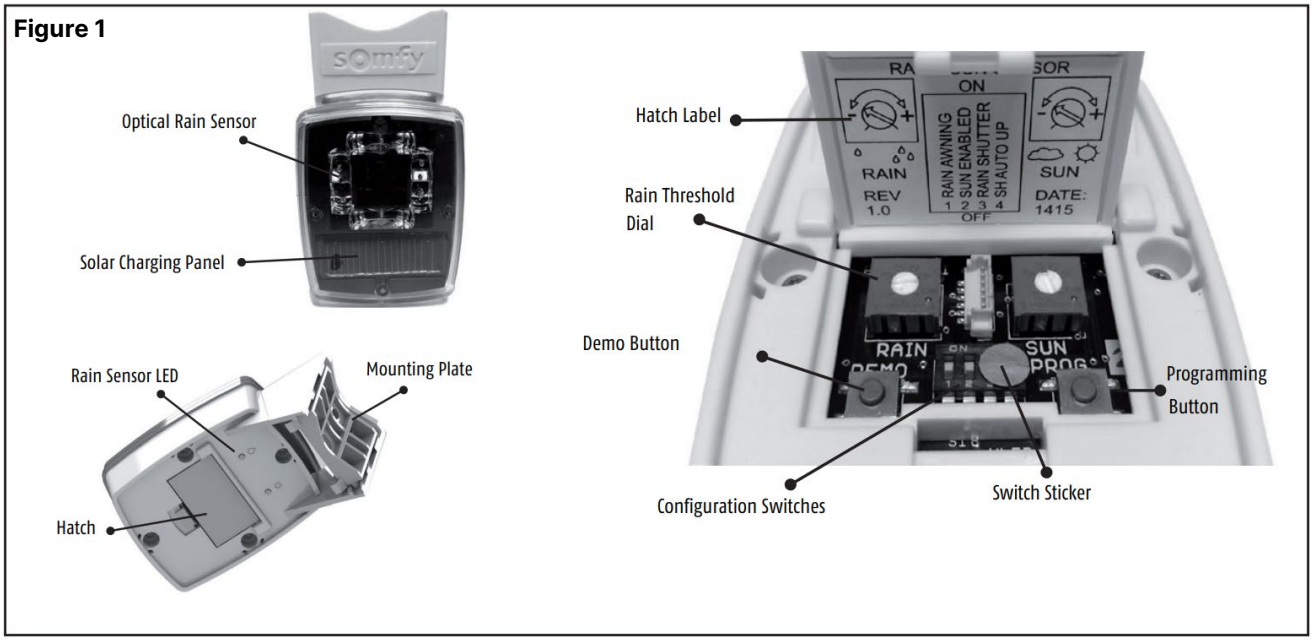
Tools Needed: Electric Drill or Phillips Screwdriver, Ladder, Helper, Flat Head Screwdriver (to open Hatch and turn Threshold Dials), Zip Ties (if installing via Pole Mount method)

Parts Supplied: Sensor, Mounting Plate, Round Head Wood Screw x2, Aluminum Gutter-Mount Bracket, Socket Head Screw x2, Flat Head Screw x2, Nylon Locking Nut x2

Before Beginning:

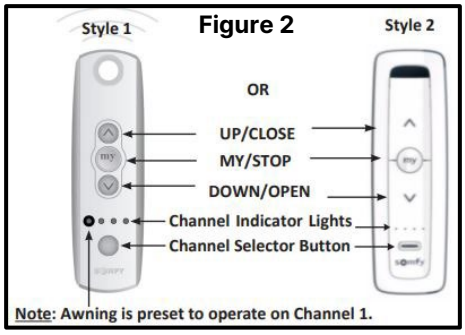
- Familiarize yourself with the components of the Rain Sensor, as shown in Figure 1.
- Confirm your SunSetter Awning is plugged in to a working GFCI outlet.

Figure 1



Prepare Awning

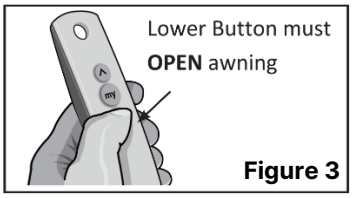
If you have a multi-channel remote, confirm correct channel is selected.



1. Press down arrow button on remote to open awning.

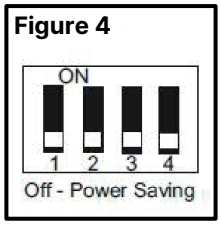
Note: If down arrow button closes awning instead of opening, Motor Reset procedure is required.

- For motorized awnings mounted on the home, follow Appendix D of your awning's owner's manual.
- For stand-alone Oasis awnings, follow Appendix D of your awning's owner's manual.

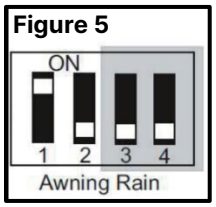


Sensor Set-Up

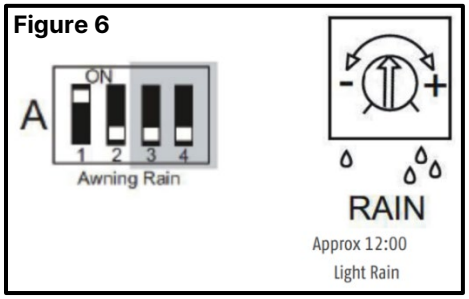
2. Charge Sensor:
   - 10 minutes in direct sunlight will provide operation charge.
   - For most efficient charging, open hatch and move all switches to OFF position.



3. Turn on Rain Sensing configuration switch. See **Figure 5**



4. Choose sensitivity:
   a. Factory Default: 12 o'clock position (arrow pointing up)
      - Light rain
   b. More sensitive: turn left
      - Very light rain/heavy mist/heavy condensation
   c. Less sensitive: turn right
      - Very heavy rain



5. Program Sensor to the awning motor:

   a. Using something small, such as a paper clip, press & hold programming button on back of remote until awning jogs.

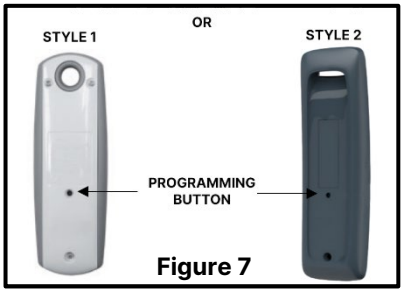
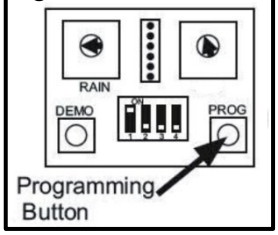


Figure 7

   b. Open hatch on back of Sensor and hold programming button (see **Figure 8**) until awning motor jogs again.

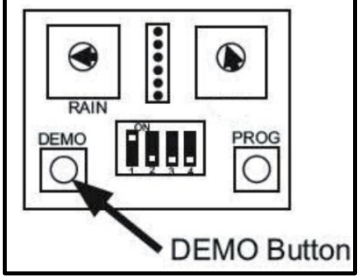
Figure 8



Confirm Sensor Settings

Demo mode is used to test rain sensing without standard wait times.

Figure 9



6. Press and release Demo button.
   - Awning will jog, and Sensor's LED status lights will alternate blinks.

7. Close hatch to protect interior of Sensor during testing.

8. Simulate desired amount of rainfall by applying water to face of Sensor.
   - Awning will automatically close – allow awning to stop on its own at closed position.

9. Once awning has fully closed, simulate end of rainfall by drying Sensor.
   - Awning will unlock and re-open after 3 seconds.

Note: Demo mode will time out after 2 minutes. To exit Demo mode before the 2-minute time-out, press Demo button again. Status lights will blink once together to confirm Demo has ended.

When Demo mode has timed out, Sensor will resume Normal operation mode.
If rain is detected in Normal mode, Sensor will immediately close awning.
When rain stops, Sensor will wait approximately 15 minutes before unlocking and re-opening awning.
The time delay feature confirms that weather conditions have truly changed before re-opening awning.

SENSOR TIME DELAYS Figure 10

	DEMO Mode	Normal Mode
Rain present	0 sec (IN-Locked)	0 sec (IN-Locked)
Rain absent	3 sec (Unlocked)	15 min (Unlocked)

Mount Sensor

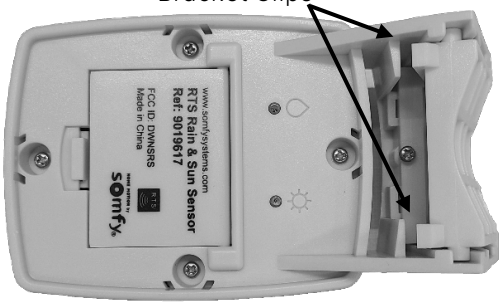
Choose best mounting location and method for Sensor.

- **Sensor should be exposed to as much rain as possible, as close to awning as possible.**
- **Sensor can be mounted to a wall, gutter, or pole. Choose appropriate section below.**

Wall Mount

1. Remove mounting plate from Sensor:
   a. Push bracket clips down gently, towards main body of Sensor.
   b. Slide mounting plate out of Sensor.

Figure 11



2. Use the two provided round head wood screws to attach mounting plate to the wall.

3. Slide Sensor back onto mounting plate by pressing bracket clips down gently towards main body of Sensor and sliding plate in, until you hear a click.

Note: Ensure front tabs move into top slot, and back tabs move into lower slot.

Figure 12

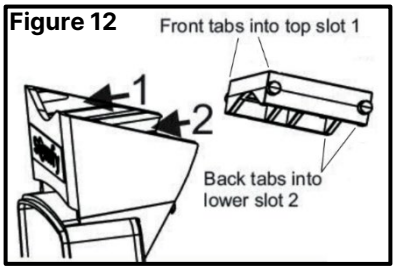
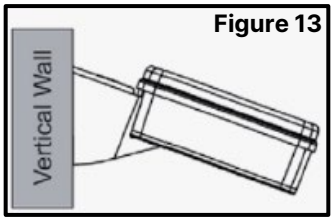


Figure 13



Pole Mount

1. Remove mounting plate from Sensor:
   a. Push bracket clips down gently, towards main body of Sensor. See **Figure 11**
   b. Slide mounting plate out of Sensor.

2. Use two zip ties (not provided) to secure curved side of mounting plate to pole.

3. Slide Sensor back onto mounting plate by pressing bracket clips down gently towards main body of Sensor and sliding plate in, until you hear a click.

   Note: Ensure front tabs move into top slot, and back tabs move into lower slot. See **Figure 15**

Figure 14

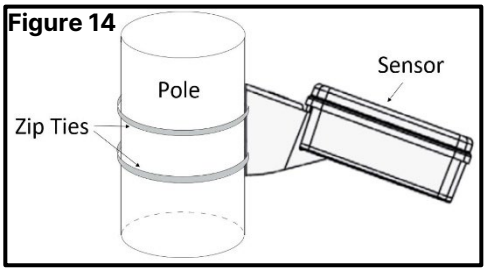
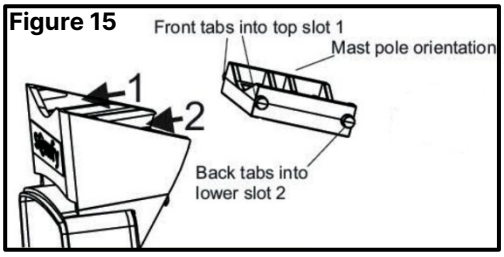


Figure 15



Gutter Mount

1. Remove mounting plate from Sensor:
   a. Push bracket clips down gently, towards main body of Sensor. See **Figure 11**
   b. Slide mounting plate out of Sensor.

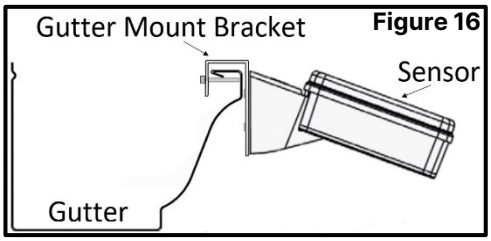


Figure 16

2. Using the two provided flat head screws and nylon locking nuts, attach flat side of mounting plate to long side of gutter mount bracket.

3. Hook short side of gutter mount bracket over edge of gutter, and secure with the two provided socket head screws.

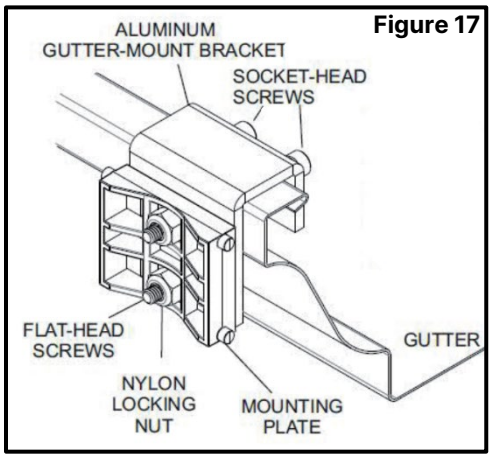


Figure 17

4. Slide Sensor back onto mounting plate by pressing bracket clips down gently towards main body of Sensor and sliding plate in, until you hear a click. See **Figure 12**

Note: Ensure front tabs move into top slot, and back tabs move into lower slot.

Deleting Sensor from Motor's Memory

1. Press programming button (See **Figure 7**) on back of remote until motor "jogs". A "jog" is a short back and forth movement of the motor.
2. Open hatch on back of Sensor and press Sensor's programming button (See **Figure 8**) until awning jogs again. The Sensor is now deleted from the motor's memory.

Recommended Annual Maintenance for Rain Sensor

- Ensure Sensor is kept clean and regularly check for correct operation. If Sensor's surface is dirty, gently wipe clean using a soft cloth and mild cleaning agent.
- Do not use abrasive products or solvents to clean the Sensor.
- Do not clean Sensor using a water spray or high-pressure cleaning methods.

Troubleshooting

Problem	Cause	Action
Awning does not close when rain begins.	Longer wait time needed for Sensor to react.	See "Sensor Time Delays" table on page 3 for normal time delays.
	Rain sensing is not turned on.	Open hatch & check switches. Rain Sensor switch (switch 1) should be in the up position.
	Rain sensitivity is set too high.	Open hatch & check position of rain sensing dial. Follow guide in **Figure 6**, pg. 2. to adjust sensitivity.
	Sensor is not charged.	Ensure Sensor is face up in direct sunlight to charge for at least 10 minutes.
LED status lights do not blink.	Sensor is not charged.	Ensure Sensor is positioned face up in direct sunlight to charge for at least 10 minutes.
Awning opens or closes too often.	Sensitivity is set too low.	Open hatch & follow guide in **Figure 6**, page 2, to adjust sensitivity.

Thank you for Choosing SunSetter