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3313888.000 SOLAR SENSOR KIT

WARNING

This manual must be read and understood before installation, adjustment, service, or maintenance is performed. This unit must be installed by a qualified service technician. Modification of this product can be extremely hazardous and could result in personal injury or property damage.

AVERTISSEMENT

Lire et comprendre ce manuel avant de procéder à l'installation, à des réglages, de l'entretien ou des réparations. L'installation de ce produit doit être effectuée par un réparateur qualifié. Toute modification de ce produit peut être extrêmement dangereuse et entraîner des blessures ou dommages matériels.

INSTALLATION & OPERATING INSTRUCTIONS

3313888.000 SOLAR SENSOR KIT

3314044.000

Form No. 3314044.000 07/11
(French 3314045.000)
©2011 Dometic, LLC
LaGrange, IN 46761

Important: These Instructions must
stay with unit. Owner read carefully.

SAFETY INSTRUCTIONS

This manual has safety information and instructions to help users eliminate or reduce the risk of accidents and injuries.

RECOGNIZE SAFETY INFORMATION



This is the safety alert symbol. It is used to alert you to personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

UNDERSTAND SIGNAL WORDS

A signal word, when used with the safety alert symbol, will identify a safety hazard and its level of risk for personal injury. A signal word, without the safety alert symbol, will be used for property damage messages only.

⚠ WARNING WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE NOTICE is used to address practices not related to personal injury.

GENERAL INSTRUCTIONS

⚠ WARNING

These instructions must be read and understood before installation of this hardware. This hardware must be installed by a Dometic, LLC Service Center or a qualified service technician. Modification of this product can be extremely hazardous and could result in personal injury or property damage.

These instructions apply to:

202(XX)(XX).000(#)	202 Series Cassette Awnings
203(XX)(XX).000(#)	203 Series Cassette Awnings

This kit consists of:

- (1) Installation & Operating Instructions
- (1) Solar Sensor
- (1) Solar Sensor Remote

Dometic, LLC reserves the right to modify appearances and specifications without notice.

⚠ WARNING

Read and follow all safety information and instructions to avoid possible injury or death.

INSTALLATION INSTRUCTIONS

A. Install Solar Sensor Base

1. Find a suitable location for solar sensor base that will receive direct exposure to sunlight.

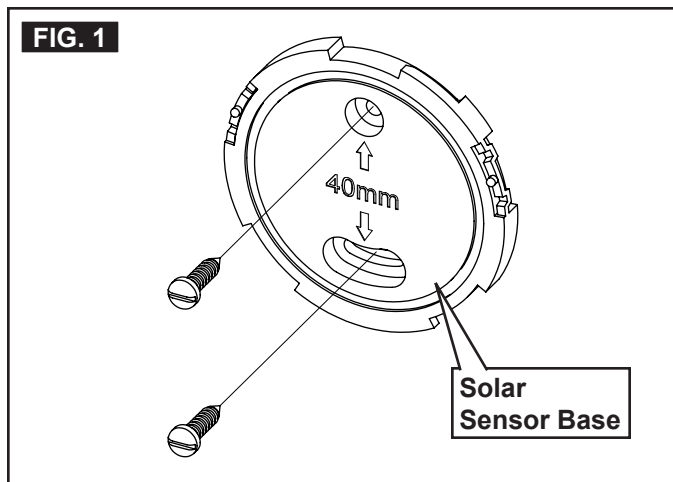
Note: Avoid locations that will receive artificial light (outdoor lamps), or shade (the awning will throw a shadow).

2. Using the solar sensor base as a template, mark its position and hole locations.
3. Drill pilot holes (appropriately sized for mounting screws) on the marked locations.

NOTICE

To help prevent water leakage, always use sealant where fasteners enter RV's side wall or roof.

4. Apply sealant to the mounting screw threads. Then place and tighten screws through solar sensor base and into side of RV. See FIG. 1.

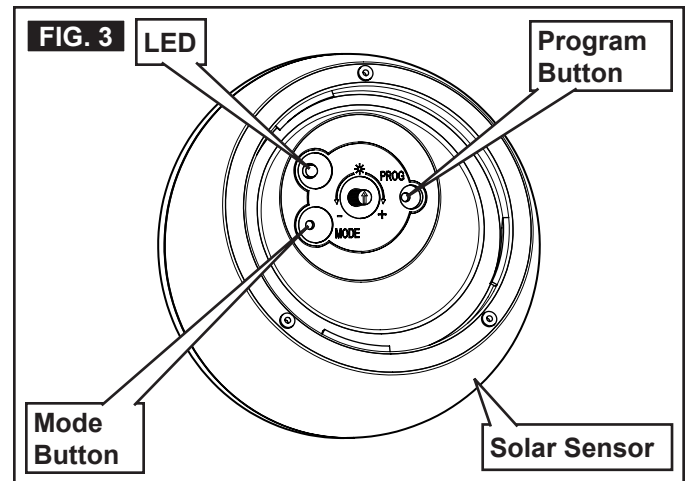
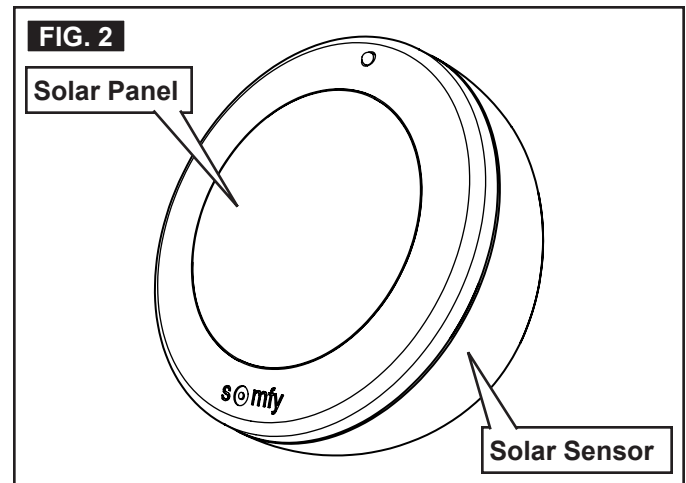


B. Activate Solar Sensor

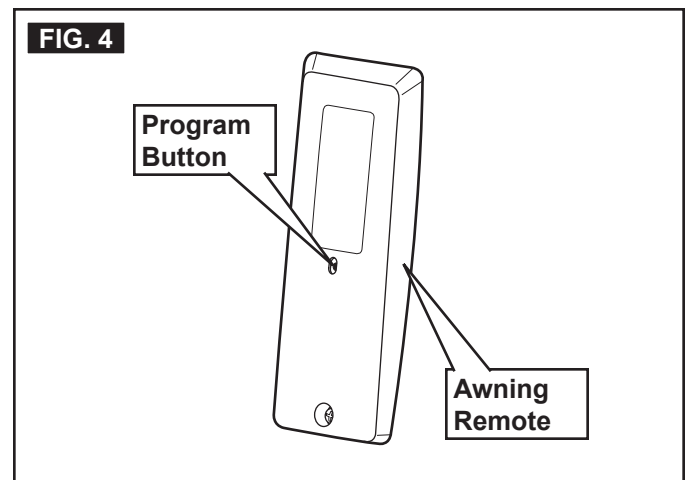
Up to five controls (remote, wind sensor, solar sensor, solar sensor remote, etc.) may be added to operate the awning if desired. The optional solar sensor may be installed to automatically open awning when sunny conditions are present, and automatically close awning during overcast weather. Light sensitivity is programmable.

1. Expose solar panel (on sensor) to direct sunlight, or other light source with daylight intensity, for at least 20 minutes to charge. See FIG. 2.

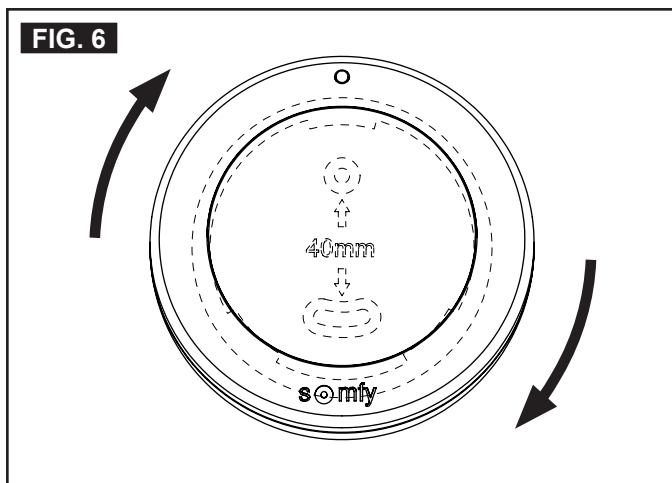
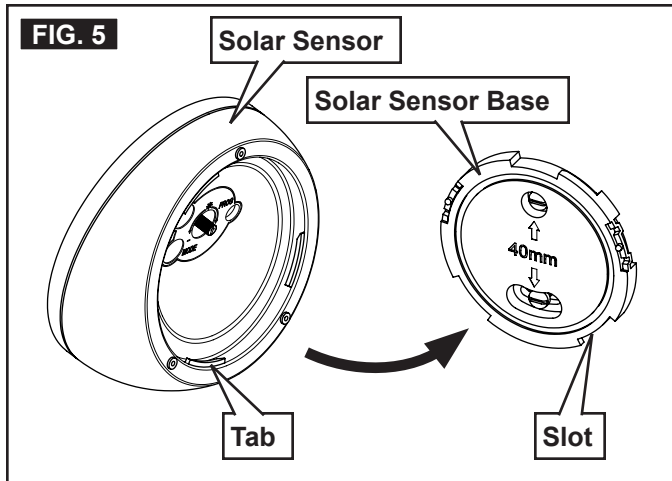
Note: To verify charge, press the mode button (on back of solar sensor) briefly. The LED will light if ready for use. See FIG. 3.



2. Make sure power is supplied to awning motor.
3. Using the awning remote (supplied with awning), press and hold the program button (on back) for approximately 2 seconds. Awning motor should jog momentarily. See FIG. 4.



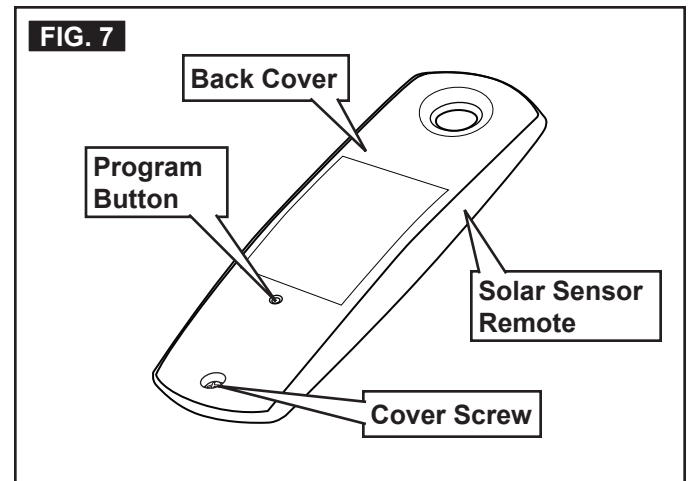
4. Press the program button (on back of solar sensor) briefly. Awning motor should jog momentarily. See FIG. 3.
5. Align tabs on solar sensor to slots on solar sensor base. Then engage tabs fully (turn solar sensor clockwise) to mount securely. See FIG. 5 and 6.



C. Activate Solar Sensor Remote

Up to five controls (remote, wind sensor, solar sensor, solar sensor remote, etc.) may be added to operate the awning if desired. The optional solar sensor requires the solar sensor remote to function properly.

1. Make sure power is supplied to awning motor.
2. Using the awning remote (supplied with awning), press and hold the program button (on back) for approximately 2 seconds. Awning motor should jog momentarily. See FIG. 4.
3. Using the solar sensor remote (supplied with sensor), press the program button (on back) briefly. Awning motor should jog momentarily. See FIG. 7.



OPERATING INSTRUCTIONS

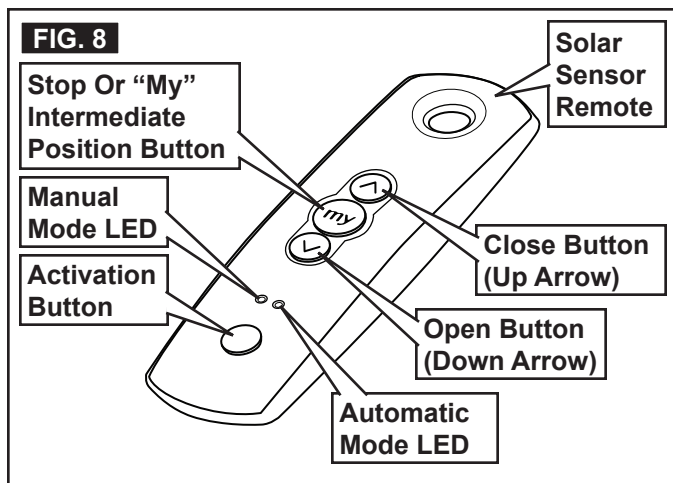
A. Enable Or Disable Solar Sensor

1. Using the solar sensor remote (supplied with sensor), press the activation button briefly to indicate the current mode (LED for current mode will light momentarily). See FIG. 8.
2. If a mode change is desired, press and hold the activation button for approximately 2 seconds. See FIG. 8.
 - a. The manual mode LED will switch off, and the automatic mode LED will light to indicate solar sensor function is enabled.

Note: Wind sensor should still function when solar sensor is enabled.

- b. The automatic mode LED will switch off, and the manual mode LED will light to indicate solar sensor function is disabled.

Note: Wind sensor should still function when solar sensor is disabled.



B. Solar Sensor Adjustment

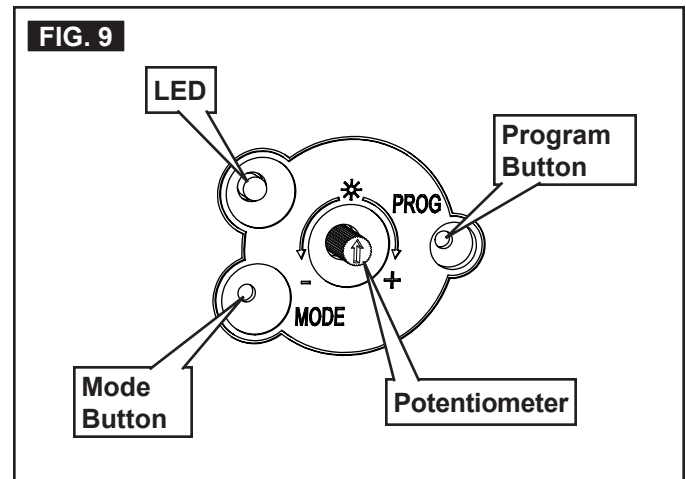
The solar sensor is factory preset to the middle setting for light sensitivity. However, if the solar sensor is not responding appropriately to sunny conditions, or is opening awning during overcast weather, it may need to be adjusted.

1. Disengage solar sensor from solar sensor base (turn solar sensor counter-clockwise). See FIG. 5.
2. Disable solar sensor with the solar sensor remote. See "Enable Or Disable Solar Sensor" section.
3. Press mode button (on back of solar sensor) for approximately 2 seconds. LED will start blinking (for 30 seconds), and awning motor should jog momentarily. This indicates sensor is in demo mode (for adjustments). See FIG. 3 and 9.

4. Set potentiometer sensitivity according to desired threshold. See FIG. 9.
 - a. Turn counter-clockwise toward the "-" symbol to increase light sensitivity. Low intensity light will open the awning.
 - b. Turn clockwise toward the "+" symbol to decrease light sensitivity. High intensity light is required to open the awning.

Note: The blinking LED will turn GREEN when potentiometer threshold is sensitive to current lighting conditions, or will be sensitive to less intense light.

The blinking LED will remain RED when potentiometer threshold is not sensitive to current lighting conditions, and will require more intense light to activate sensor.



5. Press mode button (on back of solar sensor) for approximately 2 seconds. LED will stop blinking, and awning motor should jog momentarily. This indicates sensor is back in user mode (ready for use). See FIG. 3 and 9.

Note: After approximately 3 minutes in demo mode, the sensor will automatically revert to user mode.

6. Enable solar sensor with the solar sensor remote. See "Enable Or Disable Solar Sensor" section.
7. Expose solar panel (on sensor) to direct sunlight, or other light source with daylight intensity, for approximately 2 minutes. Awning should extend to it's predefined intermediate ("my") position.

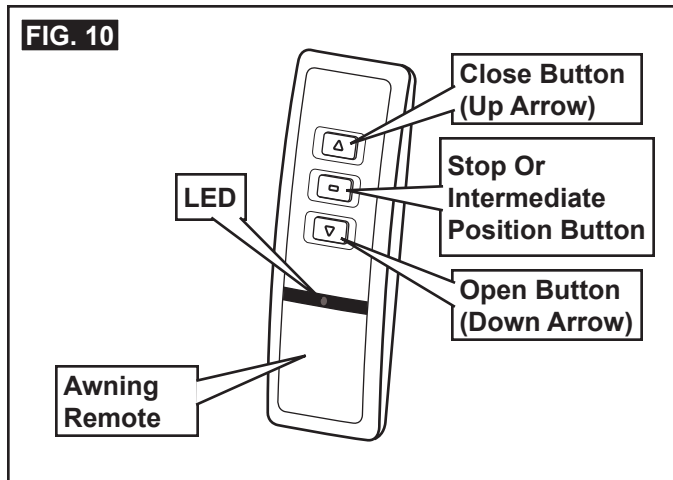
Note: Awning will extend to it's out limit if an intermediate position was not previously set up. See "Set / Reset Awning Intermediate Position" section.

8. Repeat steps (2) through (7) if further adjustments are necessary.
9. Align tabs on solar sensor to slots on solar sensor base. Then engage tabs fully (turn solar sensor clockwise) to mount securely. See FIG. 5 and 6.

C. Set / Reset Awning Intermediate Position

An intermediate position may be programmed to open awning to a customized position (between the out limit and closed position).

1. Using awning remote or solar sensor remote, move lead rail to the desired position. See FIG. 8 or 10.



2. Press and hold stop button on awning remote for approximately 5 seconds. Awning motor should jog momentarily, indicating intermediate position is recognized. See FIG. 8 or 10.

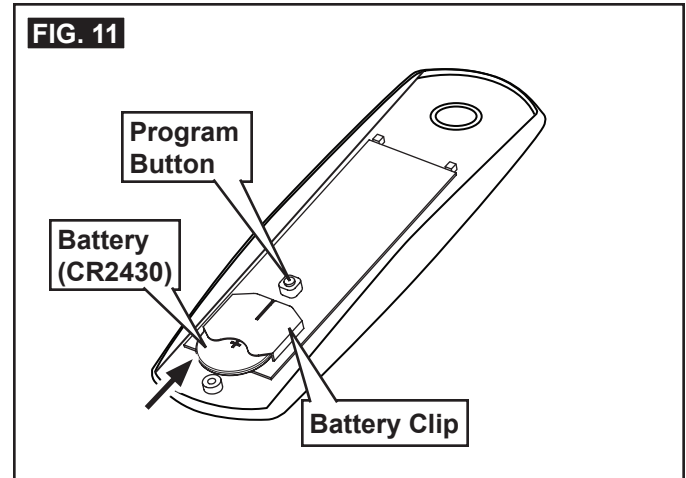
Note: If a different intermediate position is desired, repeat steps (1) through (2).

3. Press stop button briefly (from any position). Awning should now extend to its intermediate position. See FIG. 8 or 10.

D. Battery Replacement (Solar Sensor Remote)

1. Remove cover screw and back cover from solar sensor remote. See FIG. 7.
2. Place and slide battery (type CR2430) into battery clip until fully engaged. See FIG. 11.

Note: Make sure battery has positive side up.



3. Reinstall back cover onto remote, and replace and tighten cover screw securely. See FIG. 7.