Wireless Wind Sensor Installation and Operating Instructions

WARNING: FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN PERSONAL INJURY! PLEASE READ THESE INSTRUCTIONS IN ITS ENTIRETY BEFORE ATTEMPTING TO COMPLETE THIS PROCESS.

WARNING: THE WIRELESS WIND SENSOR WILL NOT PREVENT RAIN WATER FROM POOLING ON THE FABRIC OF YOUR AWNING. YOU MUST CLOSE YOUR AWNING IF RAINY CONDITIONS ARE EXPECTED. FAILURE TO DO SO COULD RESULT IN PERSONAL INJURY.

CAUTION: Be sure that no object or persons can come in contact with the awning as it closes, while unattended.

NOTE: The wind sensor is a wireless radio transmitter compatible to work only with SunSetter awnings operated by a remote control. This is a low voltage battery operated device that enables the awning to be closed automatically when it is being shaken up and down by the wind.

Before Starting: Familiarize yourself with the components of the sensor as shown in Figure 1.

FIGURE 1

1. Make sure that the lower button on the remote (see figure 2) is the button that opens your awning. If the lower button does not open your awning you will need to complete the steps in the attached appendix for Changing the Direction of Motor Rotation. Once you have verified that the lower button on the remote OPENS your awning, continue with STEP 2 below.

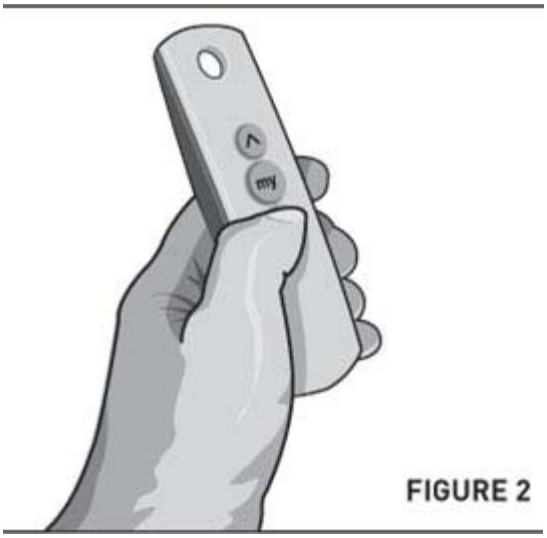

FIGURE 2

FIGURE 3

2. Slide the mounting plate off of the sensor housing (see figure 3).

NOTE: All left and right references are as you are facing the house with the awning fully opened.

3. With the awning fully open, you will install the mounting plate on the inside of the left lateral arm as follows.

3a. Clean the lateral arm with a cloth and an alcohol based solvent. (Preferred installation temperature of 70 degrees.

3b. Attach one side of the double-sided foam tape to the base of the mounting plate.

3d. Attach the mounting plate to the lateral arm approximately 4 inches from the end of the arm. Make sure the arrow on the mounting plate is facing UP. See figure 4.

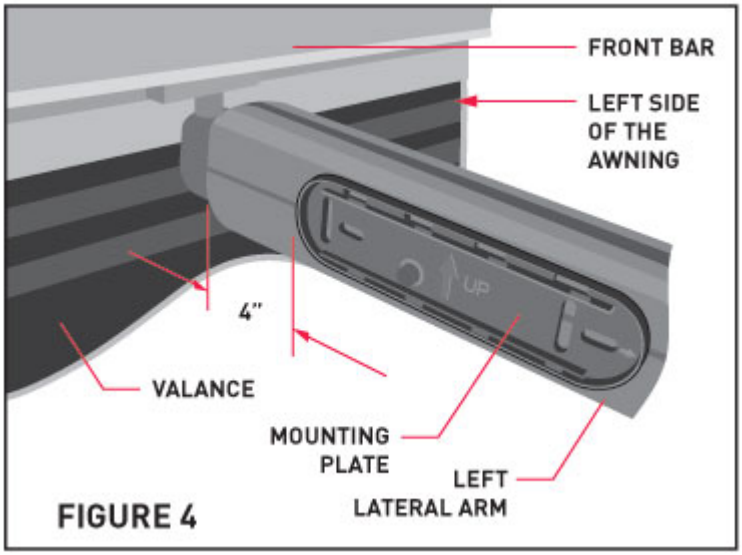

FIGURE 4

NOTE: The mounting plate when installed will face towards the Right Lateral Arm.

CAUTION: Incorrect placement of the mounting plate may damage the SENSOR when the awning closes.

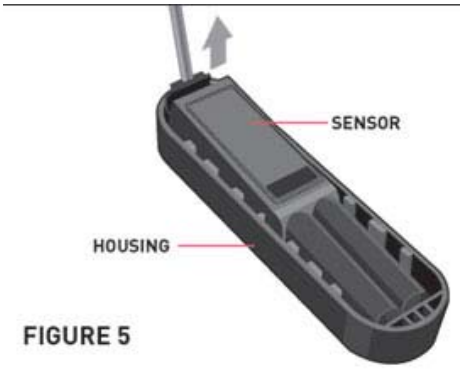

FIGURE 5

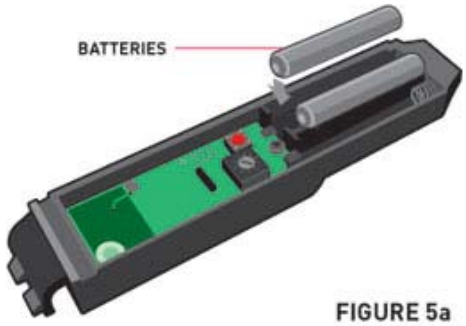

FIGURE 5a

4. Remove the sensor from the housing using a small flat blade screwdriver. See figure 5

CAUTION: Never use rechargeable batteries to power the sensor.

5. Install the batteries into the sensor, following the polarity indicated. A red LED will come on briefly for approximately 1 second to confirm that the batteries have been properly installed. See figure 5a.
6. Press the programming button (See Figure 6) on the back of the **remote that was supplied with the awning** until the motor "jogs". A "jog" is a short back and forth movement of the motor.
7. Press the programming button located on the sensor (See Figure 6) until the motor "jogs", then release. The red LED will come on briefly again.

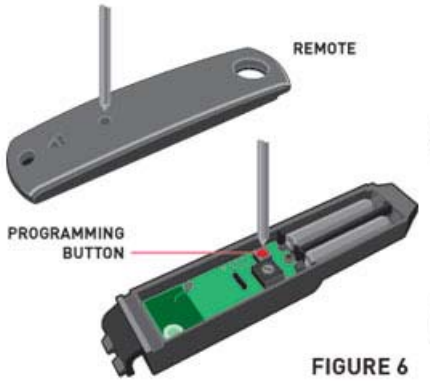

FIGURE 6

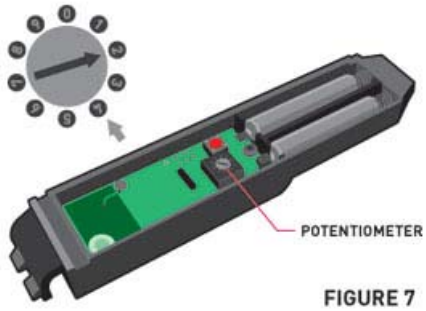

FIGURE 7

NOTE: The detection of windy conditions corresponds to sensing the movement up and down of the front bar and the lateral arms of the awning. The reaction of the sensor to this movement depends on the sensitivity threshold set on the potentiometer (see Fig 7). The potentiometer can be set from 1 to 9 using a small flat screwdriver. With 1 being equal to a high sensitivity which means light winds will cause the awning to close, and 9 being equal to low sensitivity which means only strong winds will cause the awning to close.

8. If not already accomplished, adjust the potentiometer dial to 2.
9. Put the sensor unit back into the housing.
10. Slide the housing back onto the mounting plate that you mounted on the lateral arm in STEP 3d. If you are using a ladder to install the control, prior to testing the sensor, move the ladder away from the awning.

To check that the wind sensor communicates properly with your motor:
11. Shake the awning front bar up and down (at least one foot down) quickly 3 times in a row (for approximately 12 seconds) to simulate the effect of wind; this should cause the awning to automatically close.
12. If the awning automatically closes, this means the sensor is set correctly.
13. If the awning does not close automatically, repeat step 11 by strongly shaking the front bar up and down quickly 5 TIMES IN A ROW. If the awning still does not close automatically, slide the wind sensor off the mounting plate and repeat steps 4 to 13 with a NEW SET OF BATTERIES. If the awning still does not close automatically, remove the wind sensor from the mounting plate; then delete it from the motor memory (see steps below) and call customer service at 1-800-670-7071 to order a replacement wind sensor.

WARNING: YOU MUST BE CERTAIN THAT THE WIND SENSOR IS INSTALLED, PROGRAMMED AND OPERATING PROPERLY. FAILURE TO DO SO MAY RESULT IN WIND SENSOR NOT BEING ABLE TO CLOSE YOUR AWNING DURING WINDY CONDITIONS, WHICH COULD CAUSE DAMAGE AND POTENTIAL INJURY. IF THE MOTOR DIRECTION IS REVERSED THE SENSOR WILL EXTEND THE AWNING IN WINDY CONDITIONS.

DELETING THE WIND SENSOR FROM THE MOTOR MEMORY:

a. Remove the wind sensor from the mounting plate; then remove the sensor unit from the housing, using a small flat blade screwdriver.

b. Press the programming button (See Figure 6) on the back of the **remote that was supplied with your awning** until the motor "jogs". A "jog" is a short back and forth movement of the motor.

c. Press the programming button located on the inside of the sensor (See Figure 6) until the motor "jogs", then release.

Wireless Wind Sensor Troubleshooting:

Problems	**Cause**	**Action**
The LED does not come on after the batteries have been inserted.	The batteries are incorrectly fitted.	Check the direction in which the batteries are inserted into the sensor.
The awning closes every 30 minutes without windy conditions.	The batteries are low.	Replace the batteries.
The awning closes every hour without windy conditions.	The sensor is incorrectly inserted into the mounting plate.	Remove the sensor from the mounting plate, then engage the sensor back into the mounting plate by sliding it from left to right.
The awning closes automatically too early during light winds.	The sensor sensitivity is set too high.	Remove the sensor from the mounting plate. Then remove the sensor from the housing and set the potentiometer one number higher (see figure 7 - for example: if it was set at 2, re-set to 3).
The awning does not close in strong winds.	The winds does not create strong up and down movement of the front bar of the awning or the sensor sensitivity is set too low, motor direction is incorrect (Check transmitter by completing STEP 1 of the instructions) confirm motor has power.	If the front bar of the awning is not shaking up and down due to the wind, the sensor will not close the awning. If the front bar is shaking up and down and the awning does not close, then remove the sensor from the mounting plate. Then remove the sensor from the housing and set the potentiometer one number lower (see figure 7 – for example: if it was set at 2, re-set to 1).
The awning does not close during windy conditions, even with the sensor sensitivity set to 1.	The batteries are dead or the sensor lost communication with the motor, motor direction is incorrect (Check transmitter by completing STEP 1 of the instructions) confirm motor has power.	Replace the batteries and follow steps 11 to 13.

Appendix: Changing the Direction of Motor Rotation

This procedure describes the actions needed to change the direction of motor rotation, and should only be performed when installing a Wireless Wind Sensor if the lower button on your remote is not the button that opens your awning.

Review the steps below to familiarize yourself with the procedure before attempting to complete them.

- Verify that the red light on the existing remote transmitter comes on when you press a button. If the red light does not come on at all or stays on for less than 5 seconds, you will need to replace the battery.
- Make sure your awning is retracted against the house (closed).
- Press the NEUTRAL (middle) button on the transmitter.
- Unplug the power cord from the wall.
- Insert the wand into the Override crank on the motor and manually open the awning approximately 3 feet but do not completely open.
- Plug the power cord back into the wall and make sure that there is electricity available. Let the awning sit for **one minute,** undisturbed, without pressing a button on the remote transmitter or unplugging the cord from the wall.
- Unplug the power cord from the wall for 2 seconds.
- Plug the power cord back in for 10 seconds.
- Unplug the power cord for 2 seconds.
- Plug the power cord back in and leave it plugged in.

NOTE: The motor may rotate approximately 2 feet in one direction and stop.

When the motor stops, press and hold the programming button on the back of the Remote Transmitter for 5 seconds until the motor "jogs", then release. (A "jog" is a short back and forth movement of the motor).

Activate the transmitter by pressing the OPEN and CLOSE buttons at the same time, the motor will jog.

Press the **NEUTRAL (middle)** button on the front of the Remote Transmitter until the motor jogs and release.

Press the programming button on the back of the Remote Transmitter until the motor jogs and release.

The direction of the motor rotation has been changed.

Test the awning for proper operation. **Make sure that the lower button on the remote extends the awning out.**