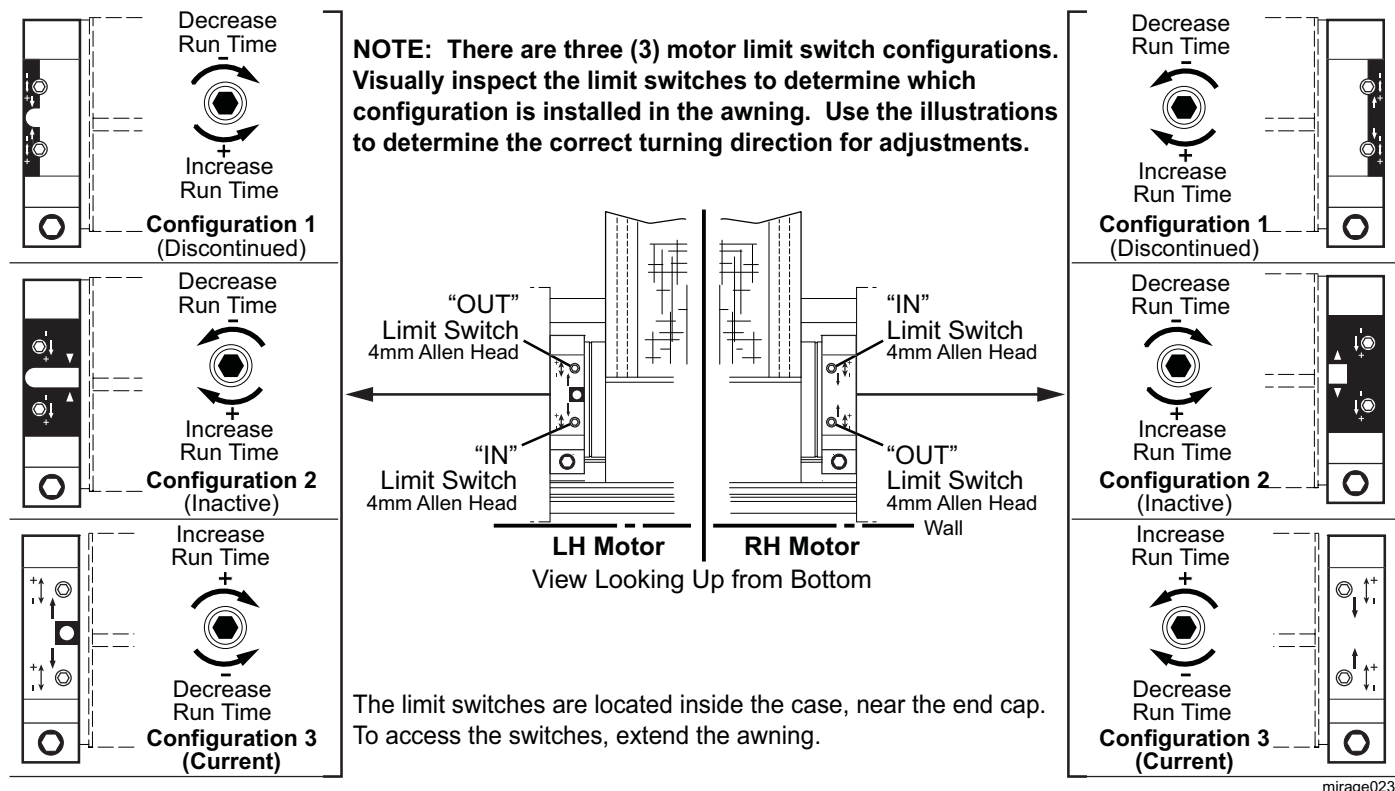


ADJUSTING THE MOTOR LIMITS

The motor limit switches are preset at the factory for best operation of the awning. The “OUT” limit switch is used to stop the motor when the awning is fully extended. The “IN” limit switch is used to stop the motor when the awning is fully retracted. The “IN” limit is NOT USED when the *Direct Response* system is installed.



OUT Limit Switch

The “OUT” limit switch stops the motor when the awning is fully extended.

1. Extend the awning out completely.
2. Confirm that the arms are fully extended. The motor should stop and the fabric should be tight. If the motor continues to run, the fabric will sag; or, if the motor quits before the arms are fully extended, it will be necessary to adjust the “OUT” limit switch.

NOTE: It is best to make the adjustments in increments of a single turn. 3 full turns of the screw equals approximately 2” of fabric extension.

3. If the fabric sags:
 - 3.1. Retract the awning until the fabric is tight then retract an addition 10"-12".
 - 3.2. Using a 4mm Allen wrench turn the “OUT” limit switch to reduce the time the motor runs.
 - 3.3. Extend to confirm that the adjustment is correct.
 - 3.4. Repeat the procedure until the awning extends correctly.
4. If the arms do not extend completely:
 - 4.1. Retract the awning approximately 10"-12".
 - 4.2. Using a 4mm Allen wrench turn the “OUT” limit switch to increase the time the motor runs.
 - 4.3. Extend to confirm that the adjustment is correct.
 - 4.4. Repeat the procedure until the awning extends correctly.

Adjusting the IN Limit Switch

For motorized awnings w/ Direct Response:

NOTE: The "IN" limit switch is not adjusted when the Direct Response system is installed. The system electronics monitors the motor and shuts the motor off when the awning is fully retracted.

If the IN limit switch is accidentally adjusted, the motor may shut off before the awning is fully closed. If this occurs, turn the "in" adjustment screw to increase the motor run time. It is not necessary that the screw matches the closed position. The Direct Response electronics control the closed position.

NOTE: It is normal for the lead rail to slightly relax after the awning closes completely.

For motorized awnings w/ standard electronics:

1. Retract the awning in completely.
2. Confirm that the arms are fully retracted. The motor should stop when the awning is fully retracted. If the motor continues to run; or, if the motor quits before the arms are fully retracted, it will be necessary to adjust the "IN" limit switch.
3. Using a 4mm Allen wrench turn the "IN" limit switch to increase the run time to pull the awning into the case or decrease the run time so the awning does not try to over retract.

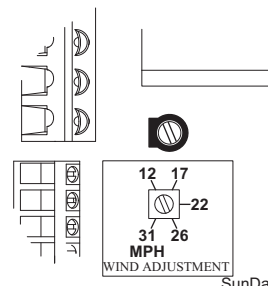
NOTE: It is best to make the adjustments in increments of a single turn. 3 full turns of the screw equals approximately 2" of fabric extension.

4. Extend and retract the awning several times to confirm that the adjustment is correct.
5. Repeat as required until the awning retracts correctly.

SETTING THE WIND SPEED SENSITIVITY (STANDARD ELECTRONICS)

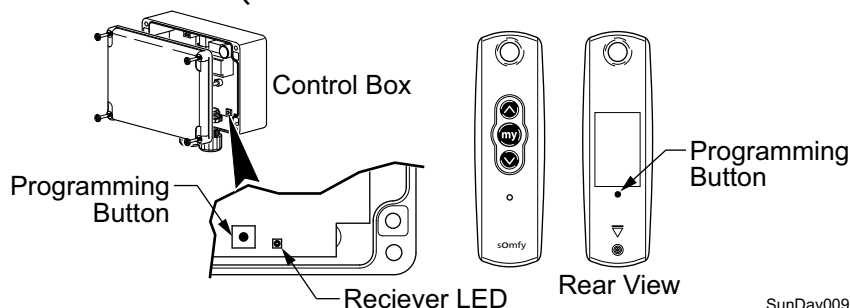
The wind sensitivity can be set for a preferred wind speed.

1. Open the control box.
2. In the center of the control board, locate the speed adjust switch.
3. Turn the switch to the desired setting. Turning to the left increases sensitivity (less wind); turning to the right decreases sensitivity (higher wind). The label next to the switch gives approximate values in miles per hour.



SunDay012

PROGRAMMING THE REMOTE (STANDARD ELECTRONICS W/ OPTIONAL REMOTE)



SunDay009

Figure 1. Programming the Remote.

Connect awning to power source.

1. Press the Programming Button (PROG) of the receiver located in wind sensor control box (lower right corner) until LED illuminates.

NOTE: The receiver exits the program after 60 seconds and the LED will extinguish.

2. Press the Programming Button on the back of the transmitter (remote) with a ballpoint pen until the receiver's LED blinks. The address of the transmitter is instantly memorized and the receiver automatically ends the programming mode.
3. Reinstall the control box cover.

PROGRAMMING THE REMOTE RECEIVER (DIRECT RESPONSE)

Early transmitters & receivers operate on a frequency of 418MHz. Models for 2007 & on operate on 433MHz. The transmitter and receiver frequencies must match. Identifying the transmitter frequency is described under the operational notes below.

1. Power to the control box must be on.
2. Press and release the "Press to Learn Transmitter" button on the bottom of the receiver box. The receiver is in program mode when the red light comes on.
3. For Gray Button Key FOBS: Press and release ANY button on the remote. It is recommended to use the STOP button. The red light will go out after the receiver learns the remote signal.

⚠ CAUTION

WHEN THE RECEIVER LEARNS THE TRANSMITTER SIGNAL THE SYSTEM WILL PERFORM THE OPERATION OF THE BUTTON PRESSED. EXAMPLE: PRESSING AN "EXTEND" BUTTON DURING THE LEARNING PHASE WILL CAUSE THE AWNING TO EXTEND WHEN THE RECEIVER LEARNS THE SIGNAL. USE CAUTION TO AVOID UNEXPECTED MOVEMENT BY THE AWNING.

4. For Key FOBS w/ Antenna: Press and release the STOP button on the remote. The red light will go out after the receiver learns the remote signal.

NOTE: Pressing the stop button will cause the blue up arrow button to default as the open (extend) function.

If a function button is pressed to train the receiver, it will be programmed as the open (extend) button. Example: Pressing the bottom button will program the bottom button for extend and the top button as retract.

5. Repeat for each additional remote.

Operational Notes:

- Transmitter and receiver must match in frequency (418 MHz or 433 MHz).

Key FOBs:

- The gray button Key FOBs are marked with a label for 418MHz or 433MHz.
- Key FOBs w/ antenna are 433MHz.

Receivers:

- 418 MHz receivers are marked "RR24".
- 433 MHz receivers marked "RR" Version 1 can only be used with the 433 MHz gray button Key FOB.
- 433 MHz receivers marked "RR" Version 2 can be used with either of the 433 MHz Key FOBs.

- If replacing the remote receiver, version 5 is compatible with 433MHz key fobs versions 2 thru 5. If the key fob is an older version, it will be necessary to replace the key FOB.

- The receiver exits the program mode after ten seconds.
- If the light does not come on above, the memory is full and must be cleared.
- If the light does not go out above, the receiver already knows the transmitter's signal or the battery in the remote needs to be replaced.
- To clear the memory: PRESS AND HOLD the transmitter learn button. While holding the button, the indicator light should be OFF for the full 5 seconds then come on.
- The system may be programmed for up to 5 remotes. Additional remotes may be ordered separately.

