

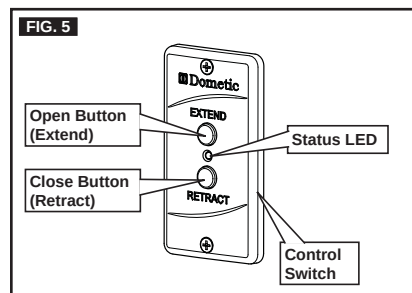
OPERATING INSTRUCTIONS

A. Open Awning

See awning Operating Instructions for complete operating information.

1. Press and hold the open (extend) button on control switch for approximately 1.5 seconds. Awning should extend to its out limit. See FIG. 5.

Note: Awning motor is energized immediately upon pressing button. However, awning will stop moving if button is released before 1.5 seconds have elapsed.



B. Stop Awning Travel

1. To stop awning travel, press close (retract) button or open (extend) button on control switch briefly. See FIG. 5.

Note: To resume travel, follow instructions in "Open Awning" or "Close Awning" sections.

C. Close Awning

See awning Operating Instructions for complete operating information.

1. Press and hold the close (retract) button on control switch for approximately 1.5 seconds. Awning should retract until it's closed. See FIG. 5.

Note: Awning motor is energized immediately upon pressing button. However, awning will stop moving if button is released before 1.5 seconds have elapsed.

D. Status LED Indicators

1. The status LED is used to communicate four possible conditions (See FIG. 5):
 - a. OFF steadily indicates awning is fully retracted, and motor is not energized.
 - b. ON steadily indicates awning is NOT fully retracted, and motor is not energized.
 - c. Blinking two times per second indicates supply voltage is below 10.5 VDC.
 - d. Blinking four times per second indicates motor is energized.

E. Automated Control Switch Functions

1. Motor stall detection:
The control switch monitors awning motor's current draw. If motor draws too much current (motor is overloaded or its ability to turn is obstructed) for more than .5 of a second, the control switch will cut power to motor.
2. Motor over-run protection:
The control switch limits awning motor's operating cycle to protect it from over-heating. If motor remains energized for more than 50 seconds continuously, the control switch will cut power to motor.
3. Low voltage detection:
The control switch monitors supply voltage to awning motor. If supply voltage falls below 10.5 VDC, the control switch will prevent awning from opening (extending).

Note: This helps to avoid a situation where insufficient battery charge remains to retract awning.

F. Ignition Interlock (Motor Homes Only)

1. Ignition Interlock:
The control switch monitors RV's ignition signal. If the RV ignition is on, the control switch will not allow the awning motor to energize.

Note: If awning is already closing (retracting) when ignition signal becomes active, the control switch will allow motor to continue operation until awning closes completely.



3313837.001 ELECTRONIC CONTROL SWITCH KIT

USA
SERVICE OFFICE
Dometic, LLC
2320 Industrial Parkway
Elkhart, IN 46516
574-294-2511

CANADA
Dometic, LLC
46 Zatonski, Unit 3
Brantford, ON N3T 5L8
CANADA
519-720-9578

**For Service Center
Assistance Call:**
800-544-4881

⚠ 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

3313837.001 ELECTRONIC CONTROL SWITCH KIT

3314004.015

REVISION
Form No. 3314004.015 07/11
(Replaces 3314004.000)
(French 3314005.012)
©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.

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

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.

All field wiring modifications should be made in compliance with the latest edition of ANSI/NFPA70 NEC and ANSI/A119.2 for recreational vehicles.

These instructions apply to:
91(X)(XX)(XX)(XXX)(#) Power Patio Awnings

This kit consists of:
(1) Installation & Operating Instructions
(1) Control Switch
(2) #6-20 X .75" Flat Head Screws

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

INSTALLATION INSTRUCTIONS

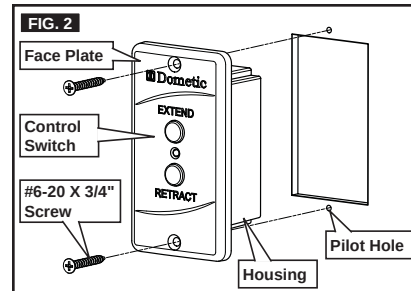
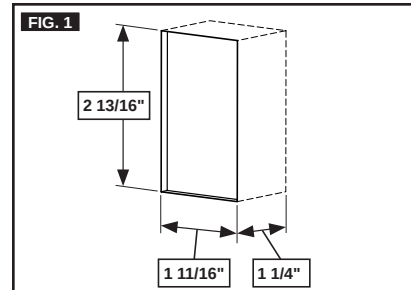
A. Prepare Control Switch Mounting

NOTICE

Do not expose control switch to weather, extreme temperatures, or long hours in direct sunlight. Failure to obey this notice could result in property damage.

1. Find a suitable location for control switch that's protected from weather and other adverse conditions.
2. Cut a rectangular opening in panel (wall) 1 11/16" wide X 2 13/16" tall. See FIG. 1.

Note: Make sure there's at least 1 1/4" depth of free space behind mounting surface for control switch housing clearance. See FIG. 1 and 2.



3. Using the control switch face plate as a template, mark it's position and hole locations. See FIG. 2.
4. Drill pilot holes (appropriately sized for mounting screws) on the marked locations. See FIG. 2.

B. Wiring Control Switch

WARNING

FIRE HAZARD. Install a 15 amp inline fuse (installer supplied) between control switch and power source on the positive (red) wire. Make wiring connections in compliance with all applicable electrical codes. Do not allow wiring to rub against sharp edges. Properly seal all wiring against weather and moisture. Failure to obey these warnings could result in death, serious injury, or property damage.

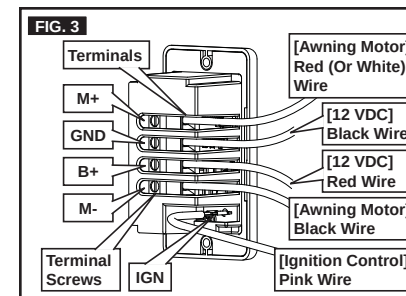
Important: To avoid voltage drop, make sure all wiring is sized for an appropriate gauge to accommodate wire length. (See table below.)

Wire Length	Wire Size
10' and under	14 gauge
Over 10', and up to 30'	12 gauge
Over 30'	10 gauge

1. Route two wires (red [or white] and black - installer supplied) from awning motor to panel opening for control switch. See FIG. 1.

Note: Allow for an extra 5" in length (beyond panel opening) for ease of installation.

- a. Insert stripped end of red (or white) wire from awning motor into "M+" terminal of control switch, and tighten terminal screw securely. See FIG. 3.
- b. Insert stripped end of black wire from awning motor into "M-" terminal of control switch, and tighten terminal screw securely. See FIG. 3.



2. Route two wires (red and black - installer supplied) from 12 VDC power source to panel opening for control switch. See FIG. 1.

Note: Allow for an extra 5" in length (beyond panel opening) for ease of installation.

- a. Insert stripped end of positive (red) wire from 12 VDC power source into "B+" terminal of control switch, and tighten terminal screw securely. See FIG. 3.

Important: The positive (red) wire from 12 VDC power source must have a 15 amp inline fuse (installer supplied) installed.

- b. Insert stripped end of negative (black) wire from 12 VDC power source into "GND" terminal of control switch, and tighten terminal screw securely. See FIG. 3.

C. Additional Wiring (Motor Homes Only)

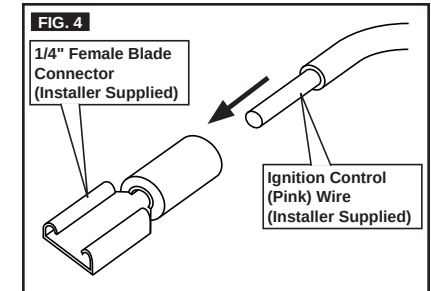
WARNING

FIRE HAZARD. Make wiring connections in compliance with all applicable electrical codes. Do not allow wiring to rub against sharp edges. Properly seal all wiring against weather and moisture. Failure to obey these warnings could result in death, serious injury, or property damage.

1. Route one wire (pink - installer supplied) from ignition control to panel opening for control switch. See FIG. 1.

Note: Allow for an extra 5" in length (beyond panel opening) for ease of installation.

- a. Install 1/4" female blade connector (installer supplied) onto control switch end of ignition control (pink) wire. See FIG. 4.
- b. Insert (pink) wire terminal from ignition control onto "IGN" terminal of control switch until it's seated securely. See FIG. 3.



D. Mount Control Switch

1. Place and tighten #6-20 screws (provided) through control switch face plate and into pre-drilled pilot holes in panel (wall). See FIG. 2.