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WeatherPro

P o w e r A w n i n g

CONTROL BOX KIT AND REMOTE SWITCH

⚠ 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 cet appareil doit être effectuée par un réparateur qualifié. Toute modification de cet appareil peut être extrêmement dangereuse et entraîner des blessures ou dommages matériels.

SUPPLEMENT INSTRUCTIONS

**MODEL
3307844.005**

REVISION:
Form No. 3307909.048 5/10
(Replaces 3307909.030)
(French 3309381.006)
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LaGrange, IN 46761

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. When you see this symbol in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating instructions.

UNDERSTAND SIGNAL WORDS

A signal word, **WARNING** OR **CAUTION** is used with the safety-alert symbol. They give the level of risk for potential injury.

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

⚠ CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION used without the safety alert symbol indicates, a potentially hazardous situation which, if not avoided, may result in property damage.

Read and follow all safety information and instructions.

3307844.005 Automatic Control Box Kit Wiring Using AMP UNIVERSAL MATE-N- LOK® SOFT SHELL CONNECTOR GENERAL INSTRUCTIONS

⚠ WARNING

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

AMP 15 Pin MATE-N-LOK® parts required by Installer:

- (1) 770023-1 Housing
- (2) 770246-3 Pin (12-10 gauge)
- (11) 770248-1 Pin (20-14 gauge)

AMP 2 Pin MATE-N-LOK® parts required by Installer:

- (2) 1-480698-0 Housing
- (4) 350547-1 Pin (20-14 gauge) or
640309-3 Pin (10-12 gauge)

AMP 4 Pin MATE-N-LOK® parts required by Installer:

- (1) 1-480702-0 Housing
- (4) 350690-1 Pin (18-24 gauge)

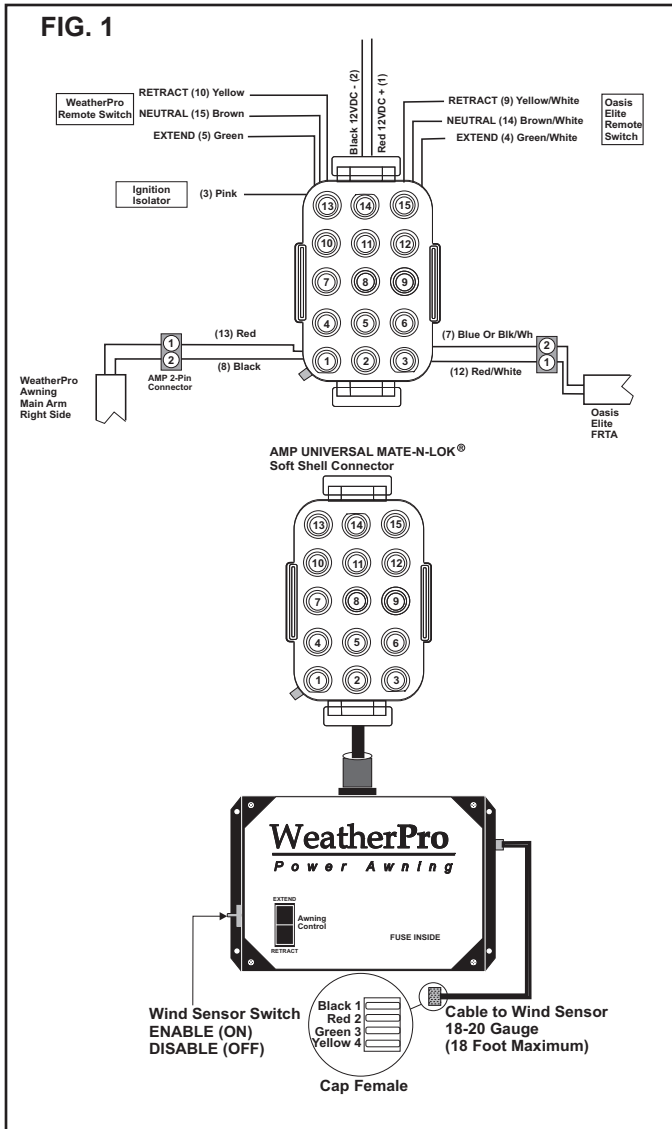
AMP 4 Pin MATE-N-LOK® parts required by Installer:

- (1) 1-480703-0 Housing
- (4) 350689-1 Socket (18-24 gauge)

Note: The above Listed Parts are available through you local electrical supply house.

Location	Pin Functions	Wire Color	Wire Size
Pin 1	12+ VDC	Red	12 Gauge
Pin 2	12- VDC	Black	12 Gauge
Pin 3	Ignition Isolator	Pink	16 Gauge
Pin 4	Oasis Elite Remote Switch	Green/White	16 Gauge
Pin 5	WeatherPro Remote Switch	Green	16 Gauge
Pin 6	Blank		
Pin 7	Oasis Elite Motor (-12 VDC)	Blue or Blk/Wh	See Chart Pg. 3
Pin 8	WeatherPro Motor (-12 VDC)	Black	See Chart Pg. 3
Pin 9	Oasis Elite Remote Switch	Yellow/White	16 Gauge
Pin 10	WeatherPro Remote Switch	Yellow	16 Gauge
Pin 11	Blank		
Pin 12	Oasis Elite Motor (+12 VDC)	Red/White	See Chart Pg. 3
Pin 13	WeatherPro Motor (+12 VDC)	Red	See Chart Pg. 3
Pin 14	Oasis Elite Remote Switch	Brown/White	16 Gauge
Pin 15	WeatherPro Remote Switch	Brown	16 Gauge

FIG. 1



CONTROL BOX KIT (3307844.005) INSTALLATION

A. Control Box

- First, decide on a location for the control box. Recommended locations for the control box are compartments outside the living quarters such as one of the basement storage compartments. The control box must be installed at a location where it will not be close to steel framing or directly exposed to weather or extreme temperatures.
- Mount the control box using four (4) # 6 x 1/2" screws.

Important: The control box and key fob are programmed to match each other. They must remain together as a set.

B. Connect Control Box to Awning

- Route two (2) wires (installer supplied) from the bottom of right side (motorized) arm assembly (WeatherPro) or FRTA assembly (Oasis Elite) to the 15 pin MATE-N-LOK® connector. To avoid voltage drop, follow wire length guide listed below:

Wire Length	Wire Size
10' & Under	14 Gauge
11' to 30'	12 Gauge
Over 30'	10 Gauge

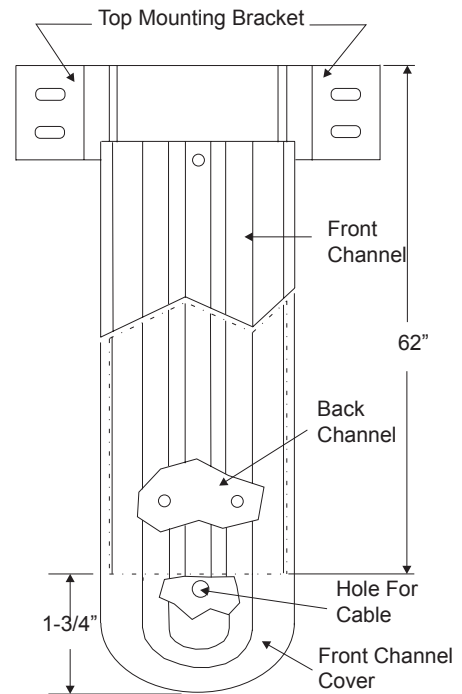
Use the following 2 Pin AMP MATE-N-LOK® parts to connect awning connector to wires. See FIG. 1 for pin locations.

- (1) 1-480698-0 Housing
- (4) 350547-1 Pin (20-14 gauge) or
- 640309-3 Pin (10-12 gauge)

Important: When installing 8553003 hardware make sure channel is in proper position before drilling the hole in side wall for wires. See FIG. 2.

FIG. 2

8553003 Hardware



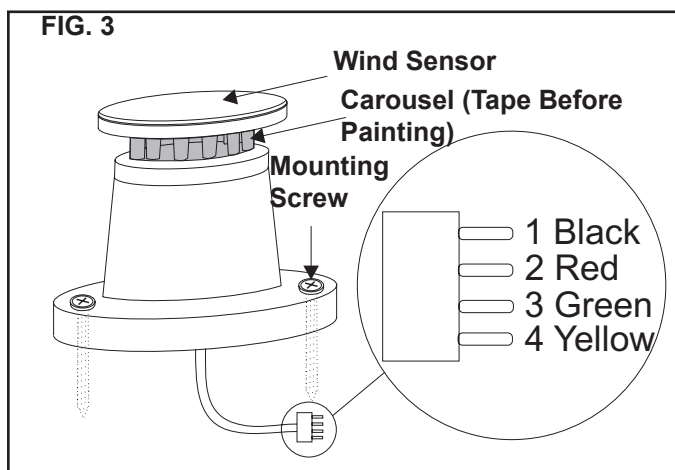
When routing harness, take precaution against wires rubbing on sharp edges and use a grommet when going through walls. Harness should be routed so that when the bottom bracket is installed (WeatherPro) it will cover hole where wire goes through wall. Seal any holes with clear silicon sealant. See FIG. 2.

C. Remote Switch (Installer Supplied)

1. Install the remote switch at a convenient location such as the door area.
2. The remote switch should not be in direct exposure to weather or extreme temperatures.
3. Mount switch per manufacturers instructions.
4. Connect the remote switch to the control box by routing three (3) 16 gauge wires (installer supplied) from the remote switch to the 15 pin MATE-N-LOK® connector (Installer Supplied). See FIG. 1 for pin locations. These wires should be brown, yellow and green for WeatherPro and brown/white, yellow/white and green/white for Oasis Elite. Install appropriate size insulated terminals on the remote switch (Installer Supplied) end of wires. Connect the wires to the remote switch as shown in FIG. 1.

D. Wind Sensor Installation (WeatherPro Only)

Note: The wind sensor is factory set to operate at a range of 18 M.P.H., although obstructions on the roof can diminish the sensors sensitivity. Wind sensor is to be installed on the RV roof in a vertical position and away from other objects. It should be located within three (3) feet of the right side top mounting bracket.



1. Find wind sensor location and drill 1/2" hole through roof. See FIG. 3.
2. Route a four (4) conductor 18-20 gauge cable (maximum length 18', installer supplied) from the Wind Sensor to Control Box. Use the following 4 pin MATE-N-LOK® parts to connect the cable to the control box and wind sensor. See FIG. 1 & 3 for pin locations.

- (1) 1-480702-0 Housing
- (4) 350690-1 Pin (18-24 gauge)
- (1) 1-480703-0 Housing
- (4) 350689-1 Socket (18-24 gauge)

3. Connect 6" supplied cable to wind sensor. See FIG. 3.
4. Connect wind sensor cable to installer supplied cable. Connect the remaining end to control box cable and is plugged into the RJ-11 port on the control box. See FIG. 1.
5. Mount wind sensor to roof with #10 stainless steel screws (installer supplied). Seal under screw heads and wind sensor base with suitable sealant to prevent water leaks.

Important: If vehicle is to be painted after wind sensor is installed, the carousel must be taped off. Wind sensor will withstand paint booth temperatures up to 185 degree F. The sensor material is Polycarbonate. Remove tape after painting. See Fig. 3.

E. Low Voltage Connection

1. Disconnect the DC power supply.

CAUTION

Disconnect the positive (+) 12 volt DC terminal at the supply battery. Damage to equipment could occur if the 12 volt DC is not shut off.

2. Run two (2) wires from the 12 VDC power supply source to the 15 pin MATE-N-LOK® connector (Installer Supplied). See FIG. 1 for pin locations. It is recommended that these wires be (Red+ and Black -) 12 gauge wires. This should be on a separate 15 amp circuit.
3. To ensure proper operation, the control box must have a minimum of 12.5 VDC at the control box during awning operation. It may be necessary to increase the wire size if voltage is below 12.5 VDC.

Note: The control box system is protected by a 15 amp fuse. If needed, a spare 15 amp fuse is taped inside the control box. Shut off the 12 VDC power to the control box and remove control box cover to expose fuse inside. Replace if necessary.

F. Ignition Interlock Connection

1. Run a 16 gauge wire (installer supplied) from the Ignition Isolator (+12 VDC) of vehicle to the 15 pin MATE-N-LOK® connector (installer supplied). See FIG. 1 for pin location.
2. Connect MATE-N-LOK® connectors together. Return to Installation Instructions supplied with hardware to complete the installation.