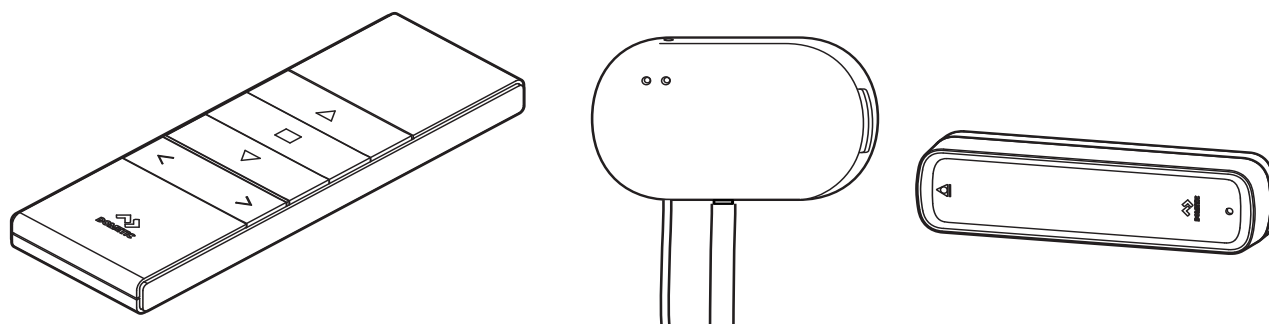


↗ DOMETIC

AWNINGS

POWER AWNING PRO



Model# 3316518, 3316519, 3317114, 3317115

EN

Wireless Remote Control/Receiver & Wind Sensor

Installation and Operation Manual 2

WARNING

Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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EN

FR

Service Center & Dealer Locations

Visit: www.dometic.com

Please read these instructions carefully and follow all instructions, guidelines, and warnings included in this product manual in order to ensure that you install, use, and maintain the product properly at all times. These instructions **MUST** stay with this product.

By using the product, you hereby confirm that you have read all instructions, guidelines, and warnings carefully and that you understand and agree to abide by the terms and conditions as set forth herein. You agree to use this product only for the intended purpose and application and in accordance with the instructions, guidelines, and warnings as set forth in this product manual as well as in accordance with all applicable laws and regulations. A failure to read and follow the instructions and warnings set forth herein may result in an injury to yourself and others, damage to your product, or damage to other property in the vicinity. This product manual, including the instructions, guidelines, and warnings, and related documentation, may be subject to changes and updates. For up-to-date product information, please visit www.dometic.com.

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1 Explanation of Symbols and Safety Instructions

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

1.1 Recognize Safety Information

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

1.2 Understand Signal Words

A signal word will identify safety messages and property damage messages, and also will indicate the degree or level of hazard seriousness.

 **DANGER!**

Indicates a hazardous situation that, if **not** avoided, will result in death or serious injury.

⚠ WARNING

Indicates a hazardous situation that, if **not** avoided, could result in death or serious injury.

⚠ CAUTION

Indicates a hazardous situation that, if **not** avoided, could result in minor or moderate injury.

NOTICE: Used to address practices **not** related to physical injury.



Indicates additional information that is not related to physical injury.

1.3 Supplemental Directives

To reduce the risk of accidents and injuries, please observe the following directives before proceeding to install and operate this appliance:

- Read and follow all safety information and instructions.
- Read and understand these instructions before installing and operating this product.
- The installation must comply with all applicable local or national codes, including the latest edition of the following standards:

U.S.A.

- ANSI/NFPA70, National Electrical Code (NEC)
- ANSI/NFPA 1192, Recreational Vehicles Code

Canada

- CSA C22.1, Parts I & II, Canadian Electrical Code
- CSA Z240 RV Series, Recreational Vehicles

1.4 General Safety Messages



WARNING: ELECTRICAL SHOCK OR FIRE HAZARD. Failure to obey the following warnings could result in death or serious injury:

- For all wire connections, use only NEC-approved connectors and terminals that are appropriately sized for the wire gauge.

- Disconnect the 120 VAC power from the recreational vehicle (RV).
- Use only Dometic replacement parts and components that are specifically approved for use with the appliance.
- Use care when diagnosing and/or adjusting components on a powered unit.
- Avoid improper installation, adjustment, alterations, service, or maintenance of the appliance. Service and maintenance **must** be done by a qualified service person only.
- Do **not** modify this product in any way. Modification can be extremely hazardous.



WARNING: IMPACT OR CRUSH HAZARD. Failure to obey the following warnings could result in death or serious injury:

- Install this product in a controlled or protected environment. Do **not** install the product during windy conditions, or when wind is expected. Otherwise, the product could move unpredictably, become unstable, and could detach, bend, or collapse.
- Make sure the awning retract button and the awning extend button operate the awning in the intended direction.
- Keep your hands, arms, head or torso clear of the awning hardware during periods of rain, wind, etc. These conditions may cause the wind sensor to unexpectedly activate and retract the awning.

Federal Communications Commission (FCC) Notice

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Operation is subject to the following conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

2 Intended Use

The Power Awning Pro system (hereinafter referred to as “unit” or “product”) works with compatible RV power awnings to offer remote control of the awning’s opening and closing. This product is only suitable for the intended purpose and application in accordance with these instructions.

This manual provides information that is necessary for proper installation and/or operation of the product. Poor installation and/or improper operating or maintenance will result in unsatisfactory performance and a possible failure. The manufacturer accepts no liability for any injury or damage to the product resulting from:

- Incorrect assembly or connection, including excess voltage
- Incorrect maintenance or use of spare parts other than original spare parts provided by the manufacturer
- Alterations to the product without express permission from the manufacturer
- Use for purposes other than those described in this manual

Dometic reserves the right to change product appearance and product specifications.

3 General Information

This section describes the awning series compatibility and the recommended tools to install the receiver.

i The images used in this document are for reference purposes only. Components and component locations may vary according to specific product models. Measurements may vary ± 0.38 in. (10 mm).

3.1 Tools and Materials

Dometic recommends that the following tools and materials be used while installing the appliance.

Included Parts	Part Number	Quantity
12 V Wireless Receiver	3317114.201	1
Receiver Wire Harness	n/a ¹	1
Remote Control with Wall Holder and Screws	3316518.201	1
Dry Contact Power Switch	n/a ¹	1
Dry Contact Switch Wire Harness	n/a ¹	1
Miscellaneous Wire Connectors	n/a ¹	9
Installation and Operation Manual	3317118.000	1

¹ Not applicable

Recommended Tools	
#11 (0.191 in.) Drill Bit	Needle Nose Pliers
7/16 in. Hex Nut Driver/Bit	Phillips Screwdriver/Bit
Drill	Riveting Tool
Flat-Bladed Screwdriver/Bit (Small)	Wire Cutter

Optional Parts	Part Number
Wind Sensor ¹	Black (3316519.205)
	White (3316519.202)
3/16" x 1/2" Pop Rivets ²	Installer-Supplied

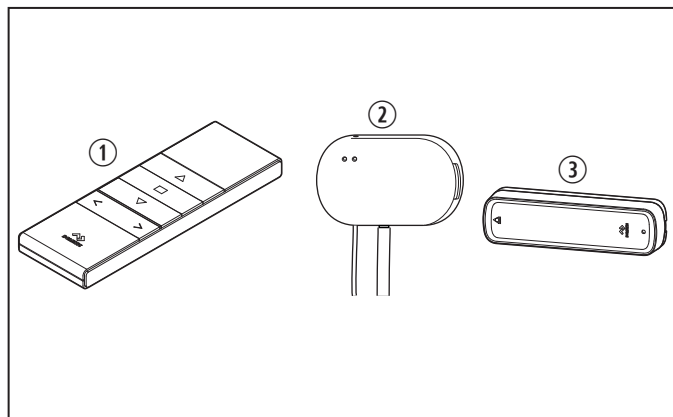
¹ Available as an accessory (not included).

² Requires two for wind sensor option installation.

3.2 Components

For the awning remote control to communicate with the wireless receiver, it must be within the specified transmission distance.

i Effective transmitting distance may be affected by actual environment.



1 Remote Control, Receiver, and Wind Sensor

- ① Remote Control ③ Wind Sensor (Option)
② Receiver

4 Wiring Diagrams

4.1 Compatibility

This product is compatible with the following models or series and associated hardware.

Compatible Power Awnings		
9100	9200	9500

4.2 Specifications

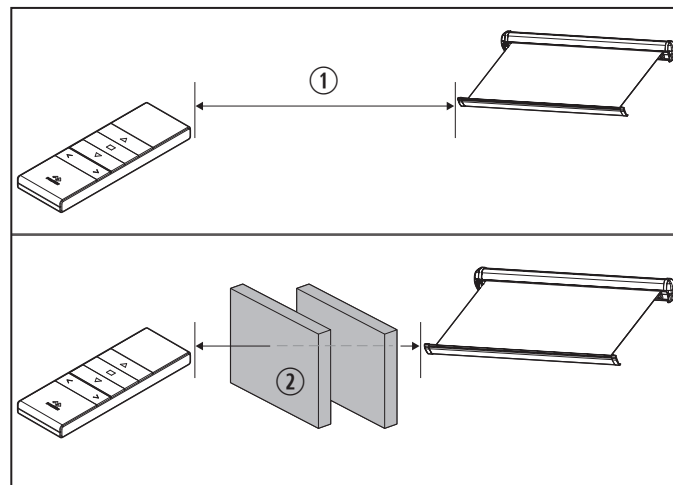
This section describes the breakdown of the model identification numbers.

Voltage	12V
Emission Frequency	433.92MHz
Maximum Power Load for Motor	180W
Maximum Power Load for Light	30W

4.3 Receiver Control Range

For the awning remote control to communicate with the wireless receiver, it must be within the specified transmission distance.

i Effective transmitting distance may be affected by actual environment.



2 Remote Control Transmission Distances

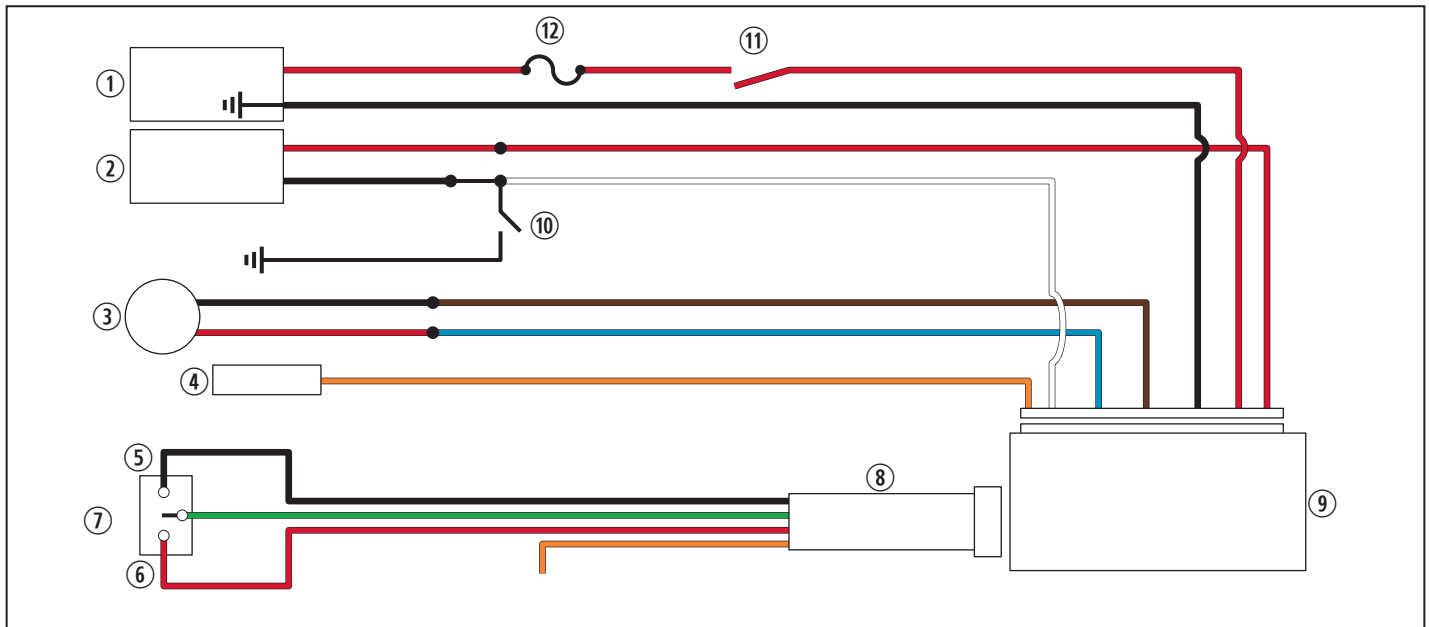
- ① Unobstructed
656 ft (200 m) ② Concrete Obstruction
115 ft (35 m)

5 Wiring Diagrams

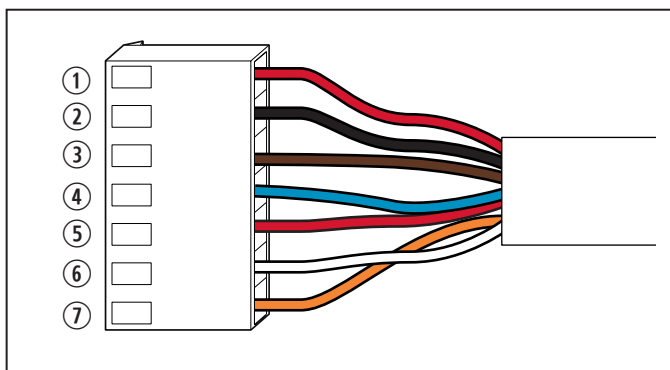
⚠ WARNING: ELECTRIC SHOCK HAZARD.

Turn the power off before performing any electrical installation or maintenance activities. Failure to obey this warning could result in death or serious injury.

This section shows examples of the product wiring.

**3** System Wiring Diagram

- | | |
|---------------------------|----------------------------------|
| ① 15 A Fused Power Supply | ⑦ Awning Switch ^{1,2,3} |
| ② LED Strip ² | ⑧ RJ 11 Cable |
| ③ Awning Motor | ⑨ Receiver |
| ④ Ignition (Interlock) | ⑩ LED Switch ^{2,3} |
| ⑤ Retract | ⑪ On/Off Switch |
| ⑥ Extend | ⑫ 15 A Inline Fuse |

¹ MOM-OFF-MOM² Optional³ Installer-Supplied**4** Receiver Wiring Diagram

- | | |
|------------------|---------------------|
| ① Power+ (Red) | ⑤ LED+ (Red) |
| ② Power- (Black) | ⑥ LED- (White) |
| ③ Motor (Brown) | ⑦ Ignition (Orange) |
| ④ Motor (Blue) | |

6 Preinstallation

This section describes actions to take before installation.

NOTICE: Failure to obey the following directions could result in damage to the unit or to property.

1. Install a 15 A fuse (installer-supplied) at the fuse panel for the positive (+) 12 VDC power supply (Red wire) leading to the product.
2. Disconnect the positive (+) 12 VDC terminal from the supply battery.
3. Use a grommet (installer-supplied) or equivalent protection when routing the wire through the RV's roof, floor, or walls.
4. Determine the best location to install the receiver.

7 Installation

This section describes how to install the receiver and wind sensor (if applicable).

⚠ WARNING: FIRE OR ELECTRIC SHOCK HAZARD.

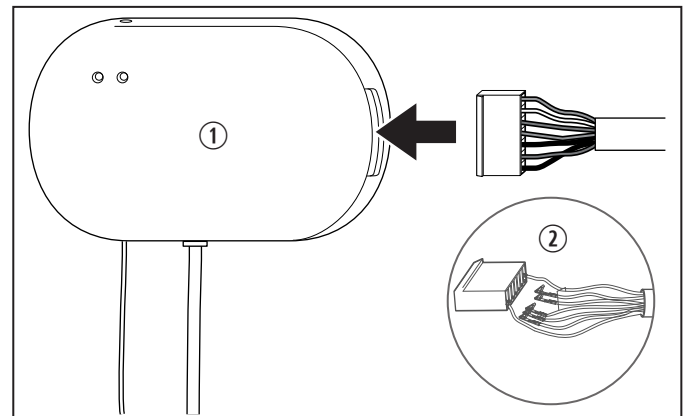
For all wire connections, use only NEC-approved connectors and terminals that are appropriately sized for the wire gauge. Failure to obey this warning could result in death or serious injury.

NOTICE: Failure to use NEC-approved connectors and terminals of the appropriate size could result in property damage.

7.1 Installing the Receiver

This section describes how to install the receiver and the receiver wiring.

1. Secure the receiver to the wall or cabinet using the installer-supplied screws.



5 Wiring the Receiver

① Receiver

② Wiring

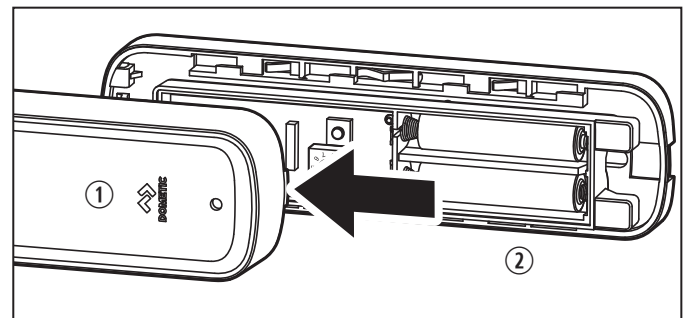
2. Route the wiring harness.

- i** If using dry contact switches, route the installer-supplied wiring inside the RV from the receiver location to the dry contact switch installation site.
3. Make the electrical connections according to the wiring diagrams in Figure 3 and Figure 4.
4. If this unit is being added to an existing awning with LEDs, disconnect and reconnect the existing LED switch according to the wiring diagram in Figure 4.
- i** If the existing LED switch is not disconnected, the LED will not function.

7.2 Installing the Wind Sensor (If Applicable)

This section describes how to install the wind sensor (if applicable).

1. Fully close the awning.



6 Removing the Wind Sensor Cover

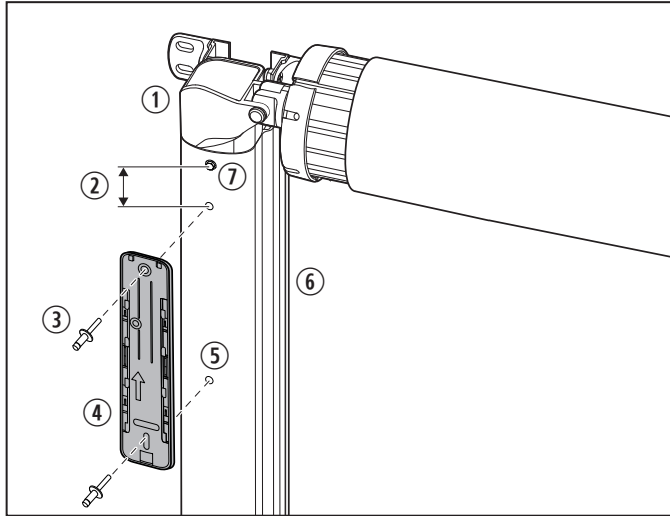
① Wind Sensor Cover

② Wind Sensor Base

2. Remove the wind sensor cover.
3. Continue with either "Installing the Wind Sensor for the 9200 and 9500" on page 8 or "Installing the Wind Sensor for the 9100" on page 8.

7.2.1 Installing the Wind Sensor for the 9200 and 9500

This section describes how to complete a wind sensor installation for the 9200 and 9500 awning series only.



7 Installing the Wind Sensor for the 9200 and 9500

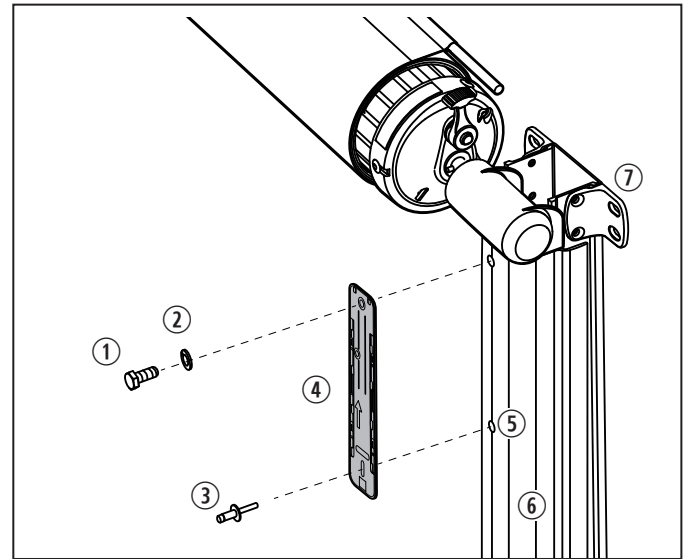
- | | |
|---------------------------|-------------------------------|
| ① Top Casting | ⑤ #11 Holes |
| ② 2 in. Measurement | ⑥ Left Hardware Front Channel |
| ③ Pop Rivets ¹ | ⑦ Existing 1/4-20 Screw |
| ④ Wind Sensor Base | |

¹ Installer-Supplied

1. Using the top hole in the left hardware front channel as a reference, measure down two inches.
2. Mark the mounting hole locations using the wind sensor base as a template.
3. Drill two #11 holes at the marked hole locations in the left hardware front channel.
4. Use the installer-supplied pop rivets to attach the wind sensor base to the left hardware front channel.
5. Continue with "Completing the Wind Sensor Installation for all Awnings" on page 9.

7.2.2 Installing the Wind Sensor for the 9100

This section describes how to complete a wind sensor installation for the 9100 awning series only.



8 Installing the Wind Sensor for the 9100

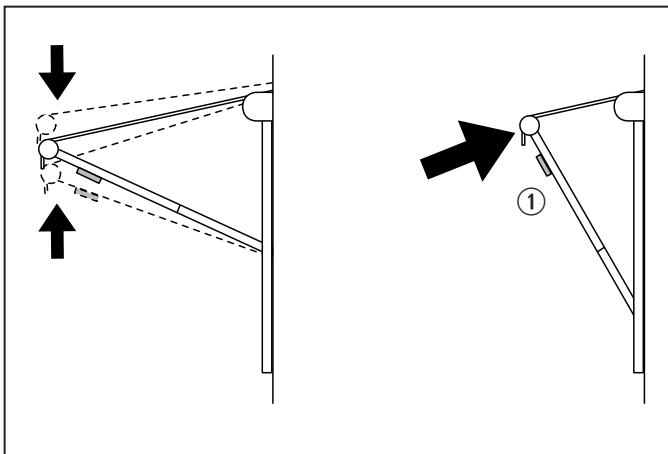
- | | |
|--------------------------|--------------------------------|
| ① 1/4-20 x 3/4" Screw | ⑥ Right Hardware Front Channel |
| ② Lock Washer | |
| ③ Pop Rivet ¹ | ⑦ Top Mounting Bracket |
| ④ Wind Sensor Base | |
| ⑤ #11 Hole | |

¹ Installer-Supplied

1. Remove and reuse the 1/4-20 x 3/4" screw and lock washer on the right hardware front channel to install the wind sensor base.
2. If using a secondary securement (installer-supplied pop rivet):
 - a. Open the awning far enough to remove the top wire cover from the front channel.
 - b. Remove the wire cover to the motor wire and pull the motor wire out of the way to avoid damage.
 - c. Reconnect the motor wire and replace the wire cover after mounting the wind sensor base.
3. Continue with "Completing the Wind Sensor Installation for all Awnings" on page 9.

7.2.3 Completing the Wind Sensor Installation for all Awnings

1. Re-install the wind sensor onto the wind sensor base.



9 Raising and Lowering the Roller Tube

① Wind Sensor Location

2. Rapidly raise and lower the roller tube to activate the wind sensor.

At activation, the awning will close completely.

8 Pairing the Remote Control

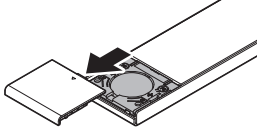
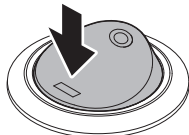

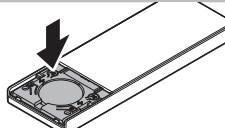

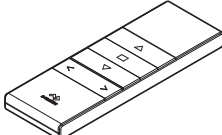


This section describes how to pair the power awning remote control to the receiver and, if applicable, to the wind sensor.

The power awning remote control must be paired with the receiver to communicate. The pairing steps may vary depending on the awning model. Follow the pairing instructions for your awning model.

8.1 Pairing the 9200 and 9500 Remote Controls

This section describes how to pair the 9200 and 9500 awning series only.

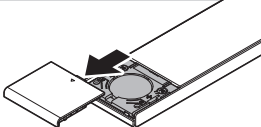
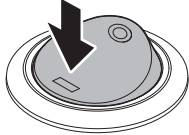
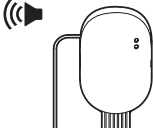
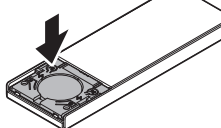
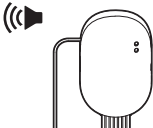
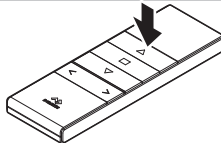
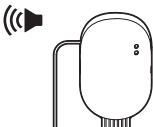

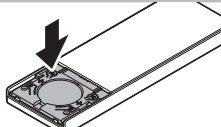
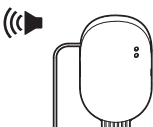

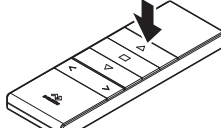
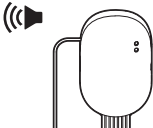
- i** Complete each pairing step within four seconds of the previous step to keep the receiver in pairing mode. If the receiver resets, restart the pairing process.

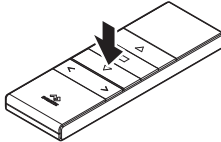
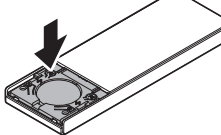


Step	Operation	Audible Alert	Awning Movement
1	 <p>Remove the battery cover from the back of the remote.</p>	None	None
2	 <p>Turn the receive Power button ON.</p>	 <p>Beep x1</p>	None
3	 <p>Press the Left P2 button two times.</p>	 <p>Beep x2</p>	None
4	 <p>For 9200 only: Press the Up button one time.</p> <p>For 9500 only: Press the Down button one time.</p>	 <p>Beep x4</p>	 <p>Awning jogs</p>
5	Proceed immediately to "Verifying the Remote Control Functions" on page 10.		

8.2 Pairing the 9100 Remote Control

This section describes how to pair the 9100 awning series only.

i Complete each pairing step within four seconds of the previous step to keep the receiver in pairing mode. If the receiver resets, restart the pairing process.

Step	Operation	Audible Alert	Awning Movement
1	 Remove the battery cover from the back of the remote.	None	None
2	 Turn the receive Power button ON.	 Beep x1	None
3	 Press the Left P2 button two times.	 Beep x2	None
4 ¹	 Press the Up button one time.	 Beep x4	 Awning jogs
5 ¹	 Press the Left P2 button one time.	 Beep x1	 Awning jogs
6 ¹	 Press the Up button one time.	 Beep x1	None

Step	Operation	Audible Alert	Awning Movement
7 ¹	 Press Down button one time	None	None
8 ¹	 Press Left P2 button one time	 Beep x1	 Awning jogs
9	Proceed immediately to “Verifying the Remote Control Functions” on page 10.		

¹ For 9100 awnings only: Steps 4-8 represent the One Touch programming procedure.

8.3 Verifying the Remote Control Functions

This section describes how to verify remote control functionality after pairing the remote control and the receiver.

To verify remote control functionality:

1. Press the **Down** button. The awning should extend.
2. Press the **Up** button. The awning should retract.
If either button does not perform as expected, see “Pairing the Remote Control” on page 9 and restart the pairing process.
3. Upon successful verification, proceed to “Pairing the Wind Sensor (If Applicable)” on page 10.

9 Pairing the Wind Sensor (If Applicable)

NOTICE: Do **not** rely on the wind sensor to prevent damage to the awning. The awning should **always** be closed when unattended or when strong rain, wind, etc. is expected.

NOTICE: Do **not** hang any items from, or block the travel of, the hardware arms or awning when the wind sensor is installed.

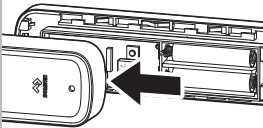
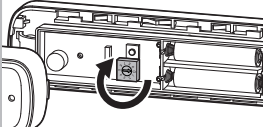
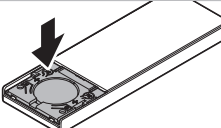
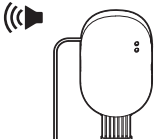
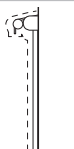
This section describes how to pair the wind sensor to the receiver and to the remote control. The wind sensor is a key component to protect your awning from the wind.

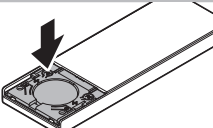
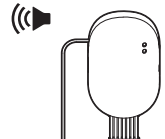
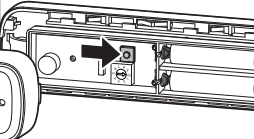
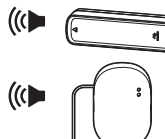
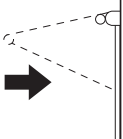
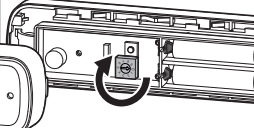
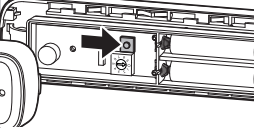
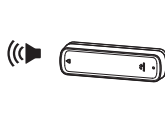
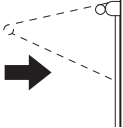
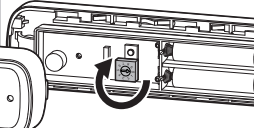
i For safety purposes, the wind sensor sends a signal to the receiver every 60 minutes to confirm functionality. If for any reason (removal, low battery, etc.) the signal is not received after 60 minutes, the awning will retract automatically.

The information below applies to all compatible power awning pro models.

i Complete each pairing step within four seconds of the previous step to keep the receiver in pairing mode. If the receiver resets, restart the pairing process.

9.1 Pairing the Wind Sensor to the Remote Control

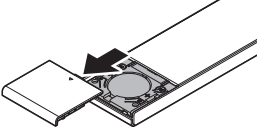
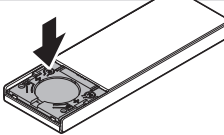
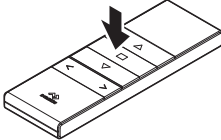
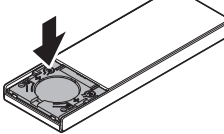
Step	Operation	Audible Alert	Awning Movement
1	 Remove the front cover of the wind sensor.	None	None
2	 Set the Sensor Dial to 0 .	None	None
3	 Press the remote control Left P2 button one time.	 Beep x1	 Awning jogs

Step	Operation	Audible Alert	Awning Movement
4	 Press the remote control Left P2 button one time.	 Beep x1	None
5	 Press the Sensor Programming button one time.	 Sensor Beep x1 and Receiver Beep x5	 Awning jogs
6	 Set the Sensor Dial to 5 .	None	None
7	 Press the Sensor Programming button one time.	 Sensor Beep x1	 Awning retracts
8	 Set the Sensor Dial to desired level.	None	None

9.2 Adjusting the Wind Sensor Sensitivity

Once programmed, the sensitivity can be adjusted at any time without reprogramming. The sensitivity of the wind sensor can be set from 1 (most sensitive) to 9 (least sensitive) with the sensor dial. Settings 0 and 5 are for programming only and are not active settings.

9.3 Clearing the Wind Sensor Memory

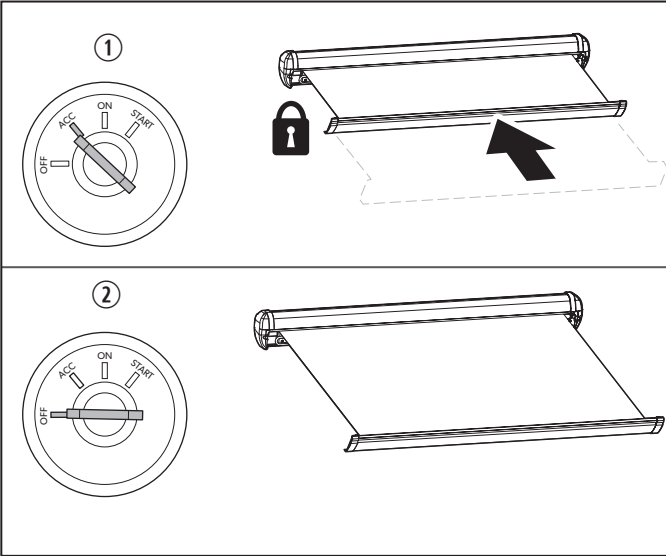
Step	Operation	Audible Alert	Awning Movement
1	 Remove the battery cover from the back of the remote.	None	None
3	 Press the Left P2 button one time.	None	None
3	 Press the Stop button one time.	None	None
4	 Press the Left P2 button one time.	None	None

10 Vehicle Ignition Lock-out

When a motorized RV's ignition is in the ACC, ON, or START position, a functioning receiver will automatically retract/lock/cut power to the awning.

i For motorized RVs only: Make sure the awning automatically closes when starting the RV.

When the motorized RV's ignition is in the OFF position, the awning is unlocked and will operate normally.



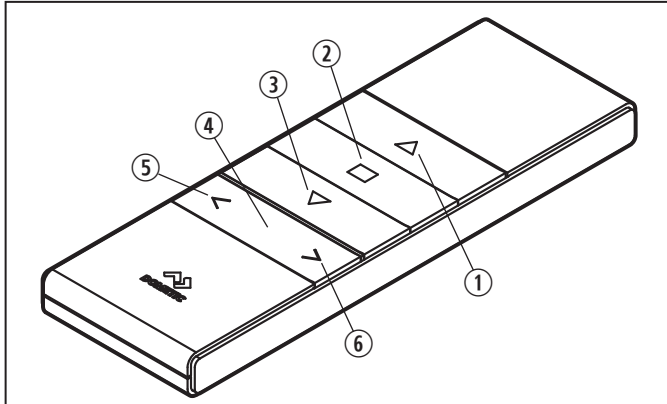
10 Vehicle Ignition Lock-out

① Ignition ON ② Ignition OFF

11 Operation

This section describes how to operate and adjust the awning using the remote control.

11.1 Using the Remote Control



11 Remote Control

Button	Function
① Up	Retracts the awning when the button is pressed and held.
② Stop	<ul style="list-style-type: none"> For 9100 awnings only: Stops awning movement if programmed for One Touch mode. See "Pairing the 9100 Remote Control" on page 10. Clears memory. See "Clearing the Wind Sensor Memory" on page 12.
③ Down	Extends the awning when the button is pressed and held.
④ LED	Turns the LED light(s) on and off.
⑤ LED -	Dims the LED light(s).
⑥ LED +	Brightens the LED light(s).

- To extend the awning, press the **Down** button until the awning is fully deployed position.
- To stop deploying the awning, release the **Down** button.
- To adjust the awning extension, press the **Up** or **Down** button to jog back to the preferred deployed position.

12 Troubleshooting

Problem	Possible Cause	Recommended Solution
The remote control is unable to pair the remote control or wind sensor.	The receiver has reset before initiating the next step in the pairing process.	Restart the pairing process and complete each step within four seconds of the previous step.
The wind sensor keeps beeping; the awning automatically retracts every 30 minutes.	The wind sensor battery may be low. (The receiver will retract the awning every 30 minutes to protect the awning.)	Replace the wind sensor battery.
The wind sensor does not function.	The wind sensor is not attached to the wind sensor base.	Locate the wind sensor and reattach it to the wind sensor base.
The awning automatically retracts every 60 minutes.	The wind sensor is out of place. (The receiver will retract the awning every 60 minutes to protect the awning.)	Locate the wind sensor and put it back in place.
For 9100 awnings only: The awning motor continues to retract when the awning is already retracted.	The wind sensor is activated, but the remote control is not programmed for One Touch mode.	Program the remote control for One Touch mode using steps 4-8 in "Pairing the 9100 Remote Control" on page 10.
The LED lights do not illuminate.	For a receiver installation on an existing awning with LEDs, the existing LED switch was not disconnected.	Connect the LED switch. See "Installing the Receiver" on page 7.
	The 3 A auto-reset fuse has blown to protect the LED strip from a short- or over- current condition.	<ol style="list-style-type: none"> Disconnect the power using the On/Off switch. Determine and fix the cause of the blown fuse. Turn the unit on using the On/Off switch.

13 Disposal



Place the packaging material in the appropriate recycling waste bins, whenever possible.

Consult a local recycling center or specialist dealer for details about how to dispose of the product in accordance with all applicable national and local regulations.

LIMITED ONE-YEAR WARRANTY

LIMITED ONE-YEAR WARRANTY AVAILABLE AT DOMETIC.COM/EN-US/TERMS-AND-CONDITIONS-CONSUMER/WARRANTY.

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