



**RV**

**12V MOTORIZED AWNING  
WITH DIRECT RESPONSE™**



*Before operating the awning, carefully review the Owner's Manual. The manual contains important safety information, detailed operating instructions, common maintenance procedures and other useful information.*

*The Adjustable Pitch Travel'r with Direct Response is only offered through select OEMs.*



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## INTRODUCTION

Thank you for your recent purchase of the Travel'r awning. We appreciate having the opportunity to do business with you. Our customers are our top priority, and we strive for 100% satisfaction. If you have any questions or concerns about this order, please do not hesitate to contact us.

Check with your dealer to discover the products that can make your life more Carefree.

## *PRODUCT DESCRIPTION*

The Travel'r series of awnings provides motorized awning comfort with Carefree's standards for looks, strength and dependability.

*Features include:*

- The unique "scissor" style arms do not require vertical ground supports.
- The adjustable pitch arms provide easy to use 6-position pitch adjustment.
- The roller tube and arms are made from light weight, no-rust aluminum;
- The 100% billow-proof, worm-gear drive motor eliminates the need for travel locks.

## *The Carefree Direct Response System*

The Auto-Retract System is an exciting enhancement to basic awning operation. When activated, the system will retract the awning automatically in windy conditions. Sensitivity is set at the control panel.

The system uses a sensor in the motor head to detect awning motion caused by windy conditions. The system operates by gauging the vertical motion of the awning's leading edge. When persistent motion exceeds the factory preset threshold value for 2 seconds or longer, the system will automatically retract the awning. The controls allow the user to choose between 3 factory preset sensitivity values (threshold values).

Gust detection is incorporated into the Direct Response software. When the motion value is suddenly and sharply increased above a safe maximum value, then the 2 second persistence measure is overridden and the awning closes immediately.

## **NOTICE**

**The Carefree auto retract system is a premier electronic auto-retract system that provides protection against adverse elements; but no auto-retract system is a guarantee against severe or destructive weather; the effects of wind and rain on an awning are unpredictable and may cause severe damage to the awning and/or vehicle. If wind or extended periods of rain are expected, roll up the awning.**

## *DISCLAIMERS*

The Eclipse awning is a product of Carefree of Colorado, located in Broomfield, Colorado, USA. The information contained in or disclosed in this document is considered proprietary to Carefree of Colorado. Every effort has been made to ensure that the information presented in the document is accurate and complete. However, Carefree of Colorado assumes no liability for errors or for any damages that result from the use of this document.

The information contained in this manual pertains to the current product listed on the title page. Carefree of Colorado reserves the right to cancel, change, alter or add any parts and procedures, described in this manual, without prior notice.

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*SERVICE AND SUPPORT*

	<a href="http://www.carefreeofcolorado.com/eclipse">www.carefreeofcolorado.com/eclipse</a>
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*Warnings and Cautions*

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

**NOTICE**

Awning are designed to provide shade and protection from the sun. The effects of wind and rain on an awning are unpredictable and can cause severe damage to the awning and/or the vehicle. If wind or extended periods of rain are expected, roll up the awning.

**NOTICE**

It is recommended that if leaving the RV unattended for a length of time, retract the awning to avoid unexpected weather conditions.

**NOTICE**

If installed, LED lighting must be turned off when the awning is in the rolled up position. This is to prevent possible damage to the LEDs and/or canopy.

**NOTICE**

When the awning is in the retracted (rolled up) position, shut off the power switch to avoid accidentally extending the awning. For safety, the power switch must be turned off before moving the RV.



**WARNING** Risk of fire. Keep all sources of heat and flame away from the awning canopy. Fabric is NOT fireproof.

## CALIFORNIA PROPOSITION 65

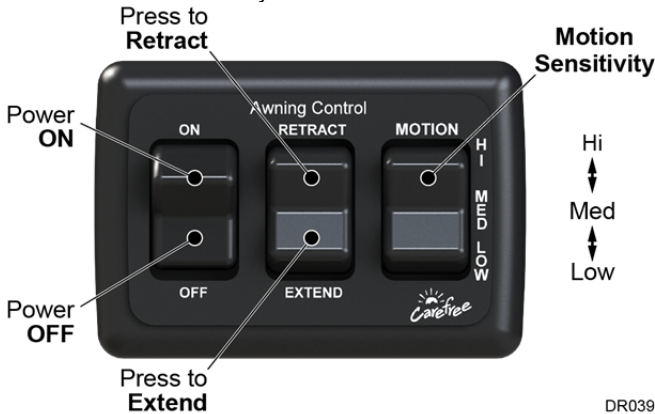


**WARNING** This product contains chemicals known to the state of California to cause cancer or birth defects or other reproductive harm. California's Proposition 65 requires this warning to be given to customers in the state of California.

Additional Warnings and Cautions are included in the text for the proper operation of the awning.

## OPERATION

The Direct Response system uses 3 switches at the control panel: Power Switch; Patio Switch and Motion Sensitivity Switch.



### POWER SWITCH

**POWER ON** ... Press the power switch to ON. When power is on, the Direct Response system is active and the manual controls are active. When power is OFF, all functions are disabled.

**POWER OFF** ... The down position shuts the system OFF.

### PATIO SWITCH

This is a two position momentary contact switch. This description also applies to any additional patio switches that may be installed.

**EXTEND** ..... Press and release the switch. The awning automatically opens. To stop the awning before it is fully open, press and release the extend switch a second time.

**RETRACT** ..... Press and release the switch. The awning automatically retracts until it is fully closed. To stop the awning before it is closed, press and release the retract switch a second time.

### MOTION SWITCH

#### **HIGH ↔ MED ↔ LOW**

Low requires less amount of motion before the awning closes automatically. High requires more motion before the system closes automatically.

You may have to experiment to find the best setting for your preferences.

**NOTE:** If the motion switch is not installed, the system defaults to the medium setting.

### *TESTING THE DIRECT RESPONSE SYSTEM*

It is important to test the Direct Response system periodically to ensure that the system is working properly. Follow the simple test below.

1. Extend the awning completely.
2. Set the motion sensitivity to the lowest setting.
3. Gently move the roller tube up and down in a vertical motion.
4. If the awning retracts, the system is working properly.
5. If the awning does not retract, contact an authorized Carefree dealer for repairs. Operate the awning with the Patio switch until the system is repaired.

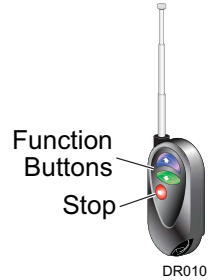
### *USING THE KEY FOB REMOTE CONTROL*

A remote control Key FOB is available only with the auto-retract system. The remote provides the advantage of allowing you to operate the awning from any convenient location.

The remote has a maximum operating range of 50 feet. Actual distance may vary depending on the specific installation and location of the receiver in the vehicle.

To use: turn system power ON at the control panel.

**NOTE:** Power ON/OFF and the Auto-Retract sensitivity can only be operated at the control panel.



**Extend** .. Press and release. The awning will extend out to the full extension and stop automatically.

**Retract** .. Press and release. The awning will retract and stop automatically when the awning is fully retracted.

**Stop** ..... Press and release. During extend and retract functions, the awning may be stopped by pressing this button.

### **KEY FOB BATTERIES**

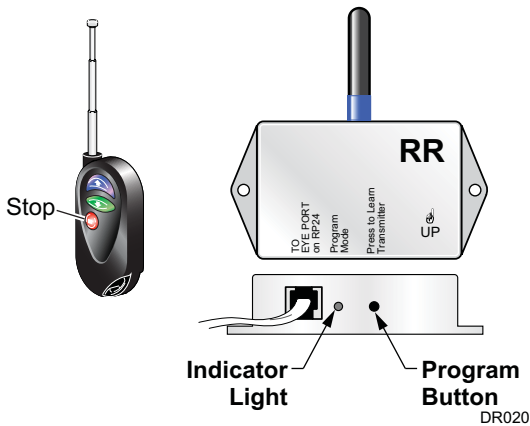
The Key FOB w/ antenna uses a battery (Radio Shack p/n 23-279 or equivalent) that should provide a long period of service. To access: Remove the small screw from the back of the case and carefully snap off the back. Lift the old battery out and insert the new battery.

Batteries are available through your local battery outlets.

Battery life is dependent on frequency of use, environmental conditions and condition of remote.

## PROGRAMMING THE REMOTE RECEIVER

When adding or replacing a remote control, it is necessary to program the transmitter and receiver.



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. 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 close (retract) function.

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

### OPERATIONAL NOTES:

- Transmitter and receiver operate on frequency 433 MHz.
- The receiver exits the program mode after ten seconds.
- If the light does not come on, the memory is full and must be cleared.
- 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.
- If the light does not go out during programming, the receiver already knows the transmitter's signal or the battery in the remote needs to be replaced.
- The system may be programmed for up to 5 remotes. Additional remotes may be ordered separately.

## LED'S

White (monotone) LEDs are a popular option providing lighting beneath the awning. Factory installed LEDs are located on the roller tube or can be mounted at the awning rail.

To operate the White LED lights, you must have the LED power switch ON.

**NOTE:** Some OEMs may furnish their own switch that may appear differently than the switch pictured or may have the LED's operated through a multiplexing control center.



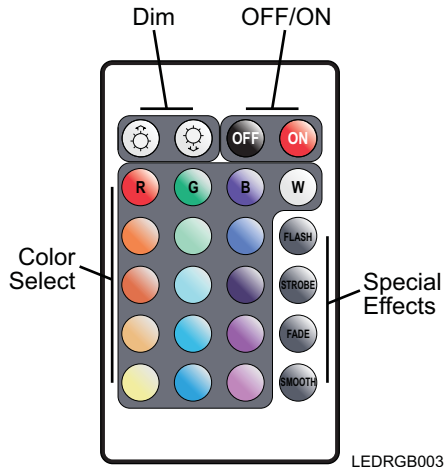
## RGB (Color) LEDs

Select OEMs may offer RGB LEDs. These are NOT controlled through the BT12 Control System.

These lights use a separate IR (Infrared) remote and sensor. The top of the remote must be pointed at the infrared sensor on the LED receiver module.

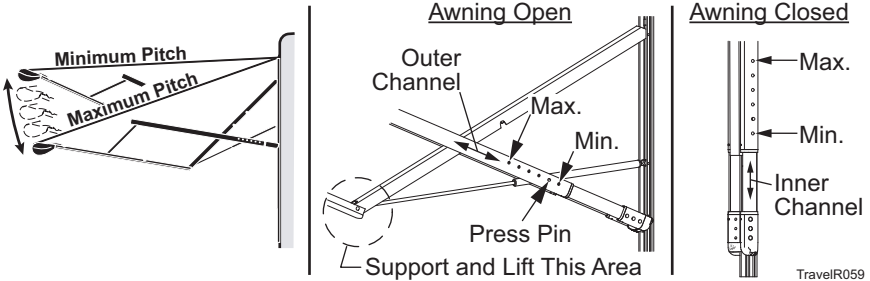
The remote control provides:

- Simple push button on/off
- Adjustable dimming
- 15 color choices + white
- Special effects (flash, strobe, fade and smooth)



## ADJUSTING THE PITCH

The Travel'r arms have 6 pitch adjustment settings from minimum pitch to maximum pitch. The awning can be extended and retracted in any of these positions without having to reset the pitch between uses. See the Warnings about unequal pitch settings.



**CAUTION** Use care when adjusting the pitch, the awning may move abruptly.

### With the Awning Open:

1. Hold on to the awning arm to keep it steady while adjusting the pitch.
2. Press in the pitch adjustment pin located on the long scissor arm.

*Tip: Applying LIGHT pressure on the arm will decrease the force required to press the pitch adjustment pins.*

3. Slide the scissor arm to the desired set hole - towards the coach for a lower pitch and away from the coach for a higher pitch.

### With the Awning Closed:

1. Press in the pitch adjustment pin located on the long scissor arm.
2. Slide the inner scissor arm up or down to the desired set hole.

**NOTICE** Before retracting the awning, make sure that the individual arms are not more than three (3) pitch positions different between the left and right arms. Damage to the arms and canopy can occur if the awning is retracted when the arms are set at more than 3 positions difference.

**NOTICE** For awnings under 12': the arms must be set at an equal pitch. Damage to the arms and canopy can occur if the awning is retracted with the arms uneven.



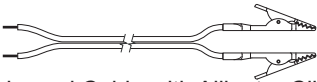
*EMERGENCY OPERATION*

If the original power source fails or is unavailable, the Travel'r has emergency override connections (12V). The override can be used with a 10V-14V power source, such as a cordless drill battery or car battery.

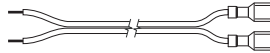
**⚠ WARNING** Do not connect the Travel'r motor wires to a 110V power source! Doing so will permanently damage the awning!

**⚠ CAUTION** Use care when retracting the awning, the awning may move abruptly.

**NOTE:** Jumper cables may be built in one of two styles as shown below. The procedures are the same for either cable style.

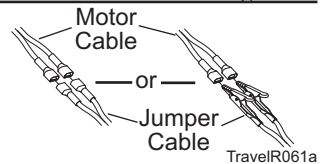
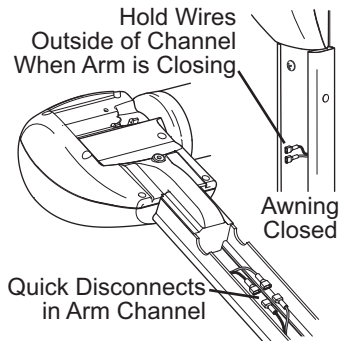


Universal Cable with Alligator Clips



Cables with Quick Disconnects for  
Motor Cables with Quick Disconnects Only  
Travel'R061b

1. Shut off the power switch to the awning. This will disable the Direct Response system.
2. Locate and separate the quick disconnects located in the motor arm channel. Position the wires from the motor on the outside of the channel.
3. Attach jumper wires to the motor wires.
4. Connect the other ends of the jumper leads to a 12-14V source. If the awning moves in the wrong direction, reverse the leads.
5. Maintain contact throughout the retraction process. Hold the wires from the motor on the outside of the channel while closing the awning. This provides access for opening awning.
6. When power is restored, use the jumper wires and extend the awning to access the cable disconnects. Reattach the disconnects and secure in the arm channel.



**NOTE:** Jumper cables may not be included with some OEM installations. Cables are available through your dealer

*COMMON OPERATIONAL QUESTIONS*

The following items are operational items that may come up as questions during normal operation.

1. The awning motor is equipped with a thermal protection circuit to protect the motor from overheating. Operating the awning repeatedly over a short time period may cause the circuit to sense a overheat condition and shut off the motor. If this occurs, wait approximately 15 minutes to allow the motor to cool then operate the awning in normal fashion.
2. The awning seems to extend and retract slowly. Normal operation time is 28-35 seconds to extend or retract. If the power supply is on the low side of the acceptable voltage range (10VDC-14VDC) the awning will move slower.
3. The awning may appear to move jerkily. When the fabric is rolled out, the Alumaguard or Uniguard may "bounce" creating a wave like motion in the canopy fabric. This will create the appearance of moving jerkily.
4. With Uniguard, the awning sticks or hangs up. When Uniguard is installed with a vinyl canopy, the vinyl will have a tendency to "cling" to the Uniguard when not used over an extended period. Open and close the awning in short bursts 2 or 3 times, the awning will then open normally.
5. **Ignition Lockout Sensors:** If the optional Carefree EL ignition lockout is installed the system will disable the extend function while the vehicle ignition key is in the ON position. Special order RTL ignition lockouts will fully retract the awning and disable the extend function when the vehicle ignition key is in the ON position. Functions will return to normal operation when the ignition key is turned OFF.

RV manufacturers may install their own lockout design. Refer to the RV literature for 12V power used for accessories.

If the awning does not operate, contact your Carefree Service Center. Visit our web site at [www.carefreeofcolorado.com](http://www.carefreeofcolorado.com) for a listing of dealers and service centers.

## AWNING CARE

Maintaining a Carefree Awning is easy. Just follow these basic steps:

- Always operate the awning according to the instructions.
- Periodically check that the fasteners are tight. Tighten if necessary.
- Keep the awning fabric and arms clean.

### *FABRIC CARE*

**NOTICE** DO not use oil based cleaners or any caustic, granulated, or abrasive type cleaners on your Carefree product.

1. One of the best ways to keep the fabric looking good and to delay the need for deep or vigorous cleanings is to hose fabrics off on a monthly basis with clear water. This practice helps prevent dirt from becoming deeply imbedded in the fabric. In most environments, a thorough cleaning will be needed every two to three years.
2. When it's time for a thorough cleaning, the fabric can be cleaned while still on the awning frame.
  - For Vinyl Fabric – Use a soft brush and warm water with soap.
  - For Acrylic Fabric – Use a stiff brush and warm water with soap.
3. When cleaning the fabric, it is important to observe the following:
  - Always use a natural soap, never detergent.
  - Water should be cold to lukewarm, never more than 100°F.
  - Air-dry only. Never apply heat to the fabric.
  - Always allow the fabric to dry thoroughly before rolling up the awning.

### *MILDEW*

Mildew is a fungus growth that looks like dirt. Vinyl coated polyester fabrics are mildew resistant because of a chemical biocide in the vinyl coating. Under ordinary conditions, mildew will not appear. However, in areas where high temperature and humidity are common, mildew can be a problem and require the material to be washed more frequently.

### *POOLING*

When water collects on the top of the fabric, this is known as "pooling". This can occur during inclement weather or if a running air conditioner discharges over the awning. The water is dumped when the awning is retracted. It is recommended that if water accumulates on the top; retract the awning in steps (8"-12") to dump the water. This will help prevent the fabric from stretching or distorting.

**The effects of wind and rain on an awning are unpredictable. Severe damage to the awning and the vehicle may result. IF WIND OR EXTENDED PERIODS OF RAIN ARE EXPECTED, ROLL UP THE AWNING AND SECURE FOR TRAVEL.**

### *LEAKING*

On vinyl canopies, side hems and poly cords are stitched in with a sewing machine. On occasion, this stitching may allow water to seep or leak through. This is normal and not a defect covered by warranty. Treat the seams with a quality seam sealer.

### *ARM CARE*

The best method of keeping the arms and braces operating smoothly is to clean them. Dirt and debris can cause the arms not to move easily. Periodically wash out the channels with running water (i.e. a hose). If the arms still do not move easily, lightly spray the joints and pivot points with a dry silicone lubricant after the arms have been cleaned and dried thoroughly.

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## CAREFREE MAJOR PRODUCT LIMITED WARRANTY

Carefree of Colorado (hereafter referred to as Carefree) warrants to the first retail Purchaser that the Carefree Product is free of defects in material and workmanship within the terms and conditions as set forth in the warranty statement available online at [www.carefreeofcolorado.com](http://www.carefreeofcolorado.com). Carefree's obligation under this warranty is limited to the repair or replacement, at Carefree's option, of any defective component with new or factory refurbished components.

OWNER MUST RETAIN THE ORIGINAL PROOF OF PURCHASE AND/OR HAVE THE PRODUCT WARRANTY REGISTRATION ON FILE AT CAREFREE FOR WARRANTY CLAIMS.

THIS WARRANTY IS NOT TRANSFERABLE.

Visit [www.carefreeofcolorado.com](http://www.carefreeofcolorado.com) for

- Warranty Duration;
- Warranty Coverage and Exclusions;
- Warranty Terms of Coverage; and,
- Warranty Claim Procedures

*Register your Carefree products online at [www.carefreeofcolorado.com](http://www.carefreeofcolorado.com)*

**IMPORTANT NOTICE:** It is strongly recommended that adjustments and repairs not described in this book be performed by trained technicians at your Authorized Carefree Dealer. Work performed by non-authorized persons or businesses may void warranty.

