



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

From its beginning in the early 70's, Carefree of Colorado has emerged as the premier manufacturer of quality awnings and accessories for Recreational Vehicles (RVs). Our full line of products can provide the accessories that match your life style; no matter what type of RV you own.

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

The Travell'r awning provides motorized awning comfort with Carefree's standards for looks, strength and dependability. It is the successful blend of style, quality and economy.

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 awning 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™ electronic system.
- Highest head clearance of any vertical arm awning.

⚠ WARNING Awnings 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 climate conditions.

⚠ WARNING Keep all sources of heat and flame away from the awning canopy. Fabric is not fire-proof and can burn if left in contact with any flame or heat source.

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.

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.

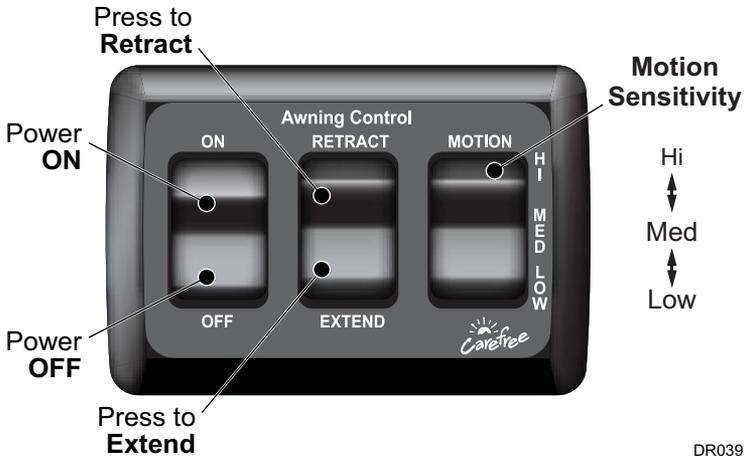
The system uses a sensor in the motor head to detect awning motion caused by windy conditions. The system operates by gauging the vertical motion of the awning's leading edge. When persistent motion exceeds the factory preset threshold value for 2 seconds or longer, the system will automatically retract the awning. The pushbutton 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.

 WARNING The Carefree Direct Response 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.

OPERATION

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



POWER SWITCH

POWER ON The up position activates the Patio switch and the Auto-Retract system and provides power to the awning.

POWER OFF The down position shuts the system down. The awning cannot be extended or retracted in this mode. The auto-retract system is also disabled.

IMPORTANT NOTE: The auto-retract system is ON when the power is ON. The system is OFF when the power switch is set to OFF. If the power is shut off while the awning is extended, the awning is not protected by the auto-retract system.

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.

OPERATING THE CONTROLS

- Turn the Power switch ON.
- Use the Patio switch to extend or retract the awning as desired.
- Set the Sensitivity switch to the level desired.

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.

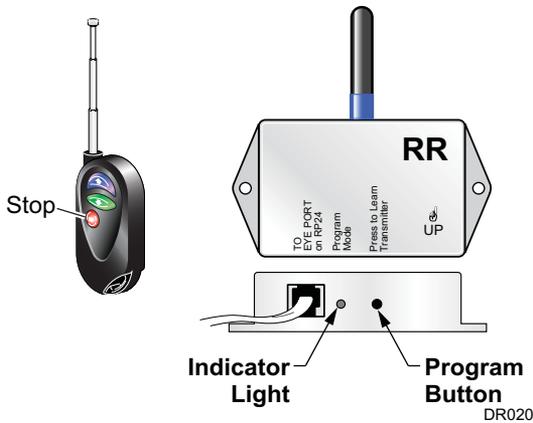
Batteries are available through your local battery outlets.

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.

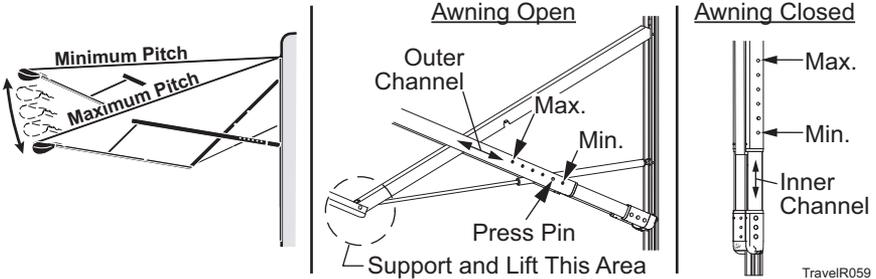
If a function button is pressed to train the receiver, it will be programmed as the retract button. Example: Pressing the top button will program the top button for retract and the bottom button as extend.

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.

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.

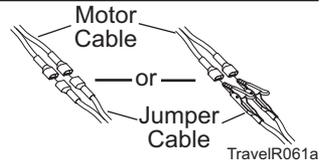
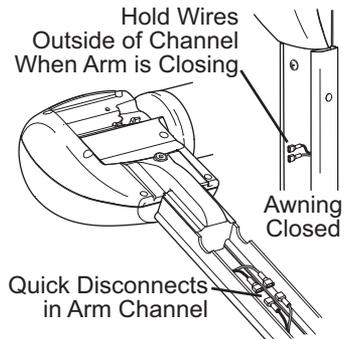


Universal Cable with Alligator Clips



Cables with Quick Disconnects for Motor Cables with Quick Disconnects Only
TravelR061b

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 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.

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. 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.

For

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

Refer to publication

"Carefree Major Product Limited Warranty"
available online at

www.carefreeofcolorado.com

Register your Carefree products on-line at www.carefreeofcolorado.com

Publications available on-line @ www.carefreeofcolorado.com:

- 052540-231 Adjustable Travel'r with Direct Response, Owner's Manual**
- 052540-031 Travel'r Adjustable Pitch with Direct Response Installation Manual**
- 052540-301 Travel'r Service Manual**

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.



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.