

## REMOTE CONTROL FOR SINGLE AWNING APPLICATIONS

### RV Kits

#### COMPONENT CHECK LIST

☑	ITEM	DESCRIPTION	QTY	NOTE
<input type="checkbox"/>	1	RF Receiver, 433 MHz	1	
<input type="checkbox"/>	2	Screw, Phillips Truss Head	#6 x 1/2	2
<input type="checkbox"/>	3	RJ11 Cable	60 inches	1
<input type="checkbox"/>	4	Key FOB, 433 MHz	1	

Additional remote control Key FOBs may be ordered separately (SR0015).

#### INSTALLING THE REMOTE RECEIVER

1. Determine the location of the RF receiver:
  - 1.1 Do not mount the unit near heat producing elements such as LP appliances or engine exhaust components.
  - 1.2 For best reception, do not mount the unit near or on a metal surface.
  - 1.3 Mount the unit with the antenna pointing up.
  - 1.4 The included cable is approximately 60 inches long. Mount the unit close enough to the splitter or control box so that the cord can be connected without stressing the connections.
  - 1.5 Allow adequate room below the box to access the connector jack, programming button and indicator light.

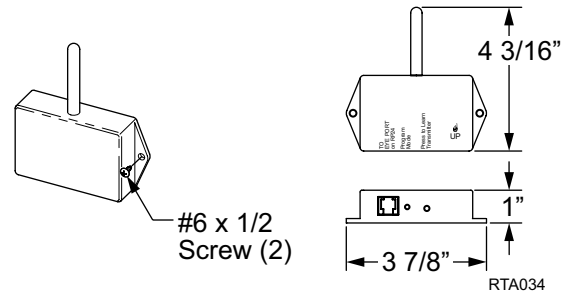


Figure 1. RF Receiver.

2. Position the control box and secure using two (2) #6 x 1/2" screws.
 

**NOTE: If the box is mounted on a surface that is less than 1/2" thick, the screws will protrude through the opposite side of the surface.**
3. Connect the cable to the receiver.
4. Route the cable to the control box and connect.

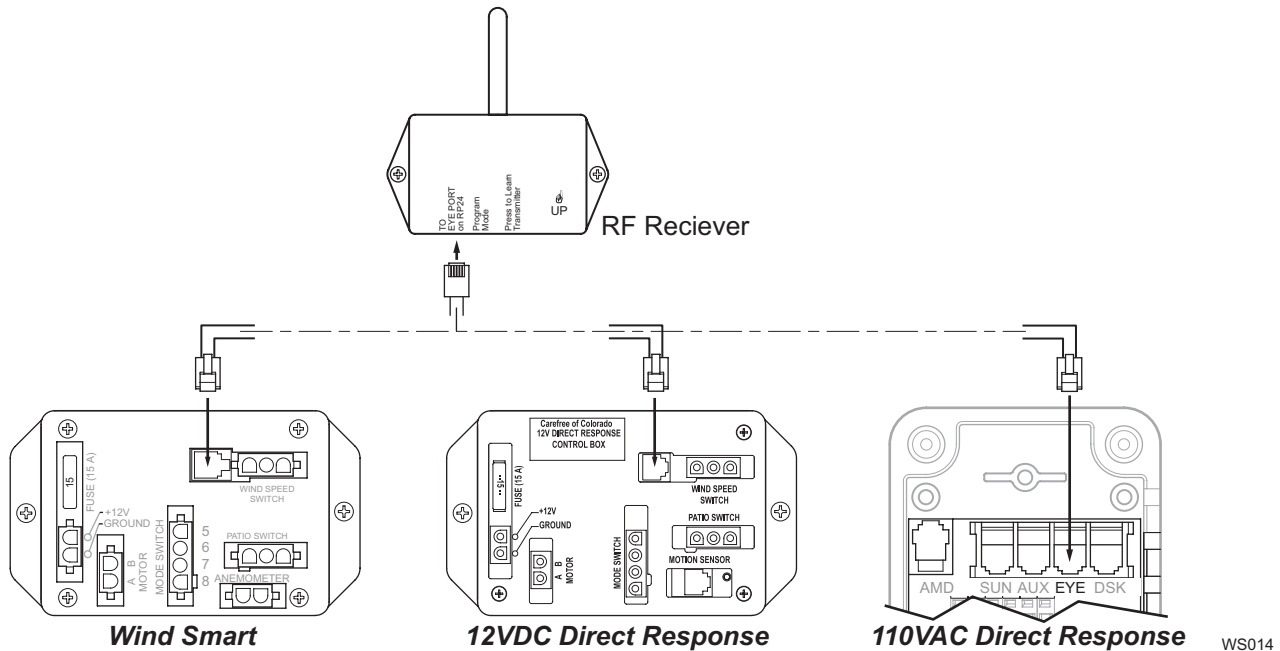
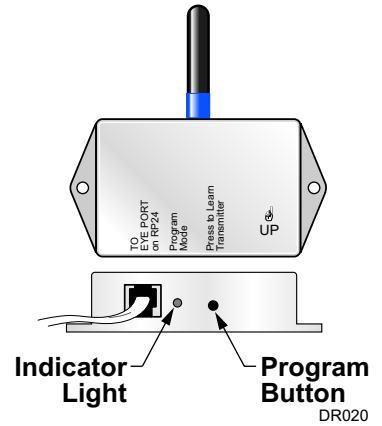


Figure 2. Connecting the RF Receiver.

**PROGRAMMING THE REMOTE RECEIVER**

Early transmitters & receivers operate on a frequency of 418MHz. Models for 2007 & on operate on 433MHz. The transmitter and receiver frequencies must match. Identifying the frequency is described under the operational notes below.

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. For Gray Button Key FOBS: Press and release ANY button on the remote. It is recommended to use the STOP button. The red light will go out after the receiver learns the remote signal.
4. For Key FOBS w/ Antenna: 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 open (extend) function.**

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

**⚠ CAUTION**

**ANY BUTTON ON THE REMOTE MAY BE PRESSED. WHEN THE RECEIVER LEARNS THE TRANSMITTER SIGNAL THE SYSTEM WILL PERFORM THE OPERATION OF THE BUTTON PRESSED. EXAMPLE: PRESSING AN "EXTEND" BUTTON DURING THE LEARNING PHASE WILL CAUSE THE AWNING TO EXTEND WHEN THE RECEIVER LEARNS THE SIGNAL. USE CAUTION TO AVOID UNEXPECTED MOVEMENT BY THE AWNING.**

5. Repeat for each additional remote.

**TRANSMITTER AND RECEIVER OPERATIONAL NOTES:**

1. Transmitter and receiver must match in frequency (418 MHz or 433 MHz).

Key FOBS:

- The gray button Key FOBS are marked with a label for 418MHz or 433MHz frequency.
- Key FOBS w/ antenna are 433MHz.

Receivers:

- 418 MHz receivers are marked "RR24".
  - 433 MHz receivers are marked "RR"
2. The receiver exits the program mode after ten seconds.
  3. If the light does not come on above, the memory is full and must be cleared.
  4. If the light does not go out above, the receiver already knows the transmitter's signal or the battery in the remote needs to be replaced.
  5. 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.
  6. The system may be programmed for up to 5 remotes. Additional remotes may be ordered separately.

**TESTING THE KEY FOB**

Prior to testing the remote control Key FOB, the electronic system must be fully installed, tested and operational. If the system has not been tested, refer to the appropriate awning installation manual before continuing.

1. Ensure that power is on to the system control box.
2. Extend the awning out about half way.
3. Turn the electronic system power "OFF".
4. Press each button on the Key FOB. The awning should not move.
5. Turn the electronic system power "ON".
6. Press and release the EXTEND button on the Key FOB. The awning should extend out until fully extended.
7. Press and release the RETRACT button on the Key FOB. The awning should retract automatically.
8. While the awning is retracting, press and release the STOP (center) button on the Key FOB. The awning should stop when the button is pushed.
9. Turn the Auto-Retract system "ON".
10. Repeat steps 6 through 8.
11. If the Key FOB does not operate as described, use diagnostic chart below.

<b>D01 Awning Does Not Move When Key FOB Buttons Are Pushed</b>			
	1. Confirm power to control box	--	Correct as required
	2. Confirm power is set to "On"	--	Correct as required
	3. Check the cable between the Receiver and system control box. As a continuity check, Pin 1 of connector 1 goes to Pin 1 of connector 2; pin 2 goes to pin 2; pin 3 goes to pin 3 and pin 4 goes to pin 4	YES	Cable is OK. Confirm that cable is securely plugged in; go to step 4
		NO	Repair or Replace as required.
	4. Confirm that the transmitter and receiver use the same frequency (418MHz or 433MHz) as described on page 2.	--	If frequencies match go to step 5. If frequencies do not match, it will be necessary to replace one or both of the components so that the frequency does match.
	5. Confirm that the receiver is programmed for the Key FOB	--	Refer to "Programming the Remote Receiver" on page 2 and retest. If system does not work; go to step 6
	6. Program a second Key FOB and test	YES	2 <sup>nd</sup> Key FOB works. Replace battery in 1 <sup>st</sup> Key FOB and retest, if no response, 1 <sup>st</sup> Key FOB is defective.
		NO	2 <sup>nd</sup> Key FOB does not work; go to step 7
	7. Replace the RR24 Receiver and test	YES	System works OK. 1 <sup>st</sup> receiver is defective
		NO	System does not work. Reinstall 1 <sup>st</sup> receiver; go to step 8
	8. Confirm that the awning's electronic system is working and repair as required.	--	

## USING THE REMOTE CONTROL

In simple terms, the remote is a wireless control that functions in the same manner that the stationary control panel. The remote provides the advantage of operating 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: The Power On/Off and Auto-Retract system can only operated at the control panel.**

### SINGLE AWNING KEY FOB

A remote control Key FOB is furnished with the single awning installation. To use: turn system power ON.

**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 Battery

The Gray Button remote uses a flat 3V Lithium Battery (p/n CR2032) that should provide a long period of service. To access: carefully pry off the back of the case. Lift the circuit board out then slide the old battery out of the battery holder and slide a new battery in. The + should face away from the circuit board.

The Key FOB remote 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.

## LIMITED WARRANTY

Carefree of Colorado (hereafter referred to as Carefree) warrants to the FIRST retail Purchaser that the RF Remote Kit is free of defects in material and workmanship for one (1) year from original date of purchase.

This warranty does not apply to damages that are the result of improper installation, misuse or neglect. In addition, wear and fading from normal use is excluded from this coverage.

### WARRANTY CLAIM PROCEDURE

1. Retain a copy of the original purchase receipt.
2. If the product is found defective within the warranty period, return the product along with the original purchase receipt to your qualified Carefree dealer.
3. All returns are for product replacement only. No returns for cash or credit are accepted.
4. Carefree does not cover any costs associated with delivery or return of the product.