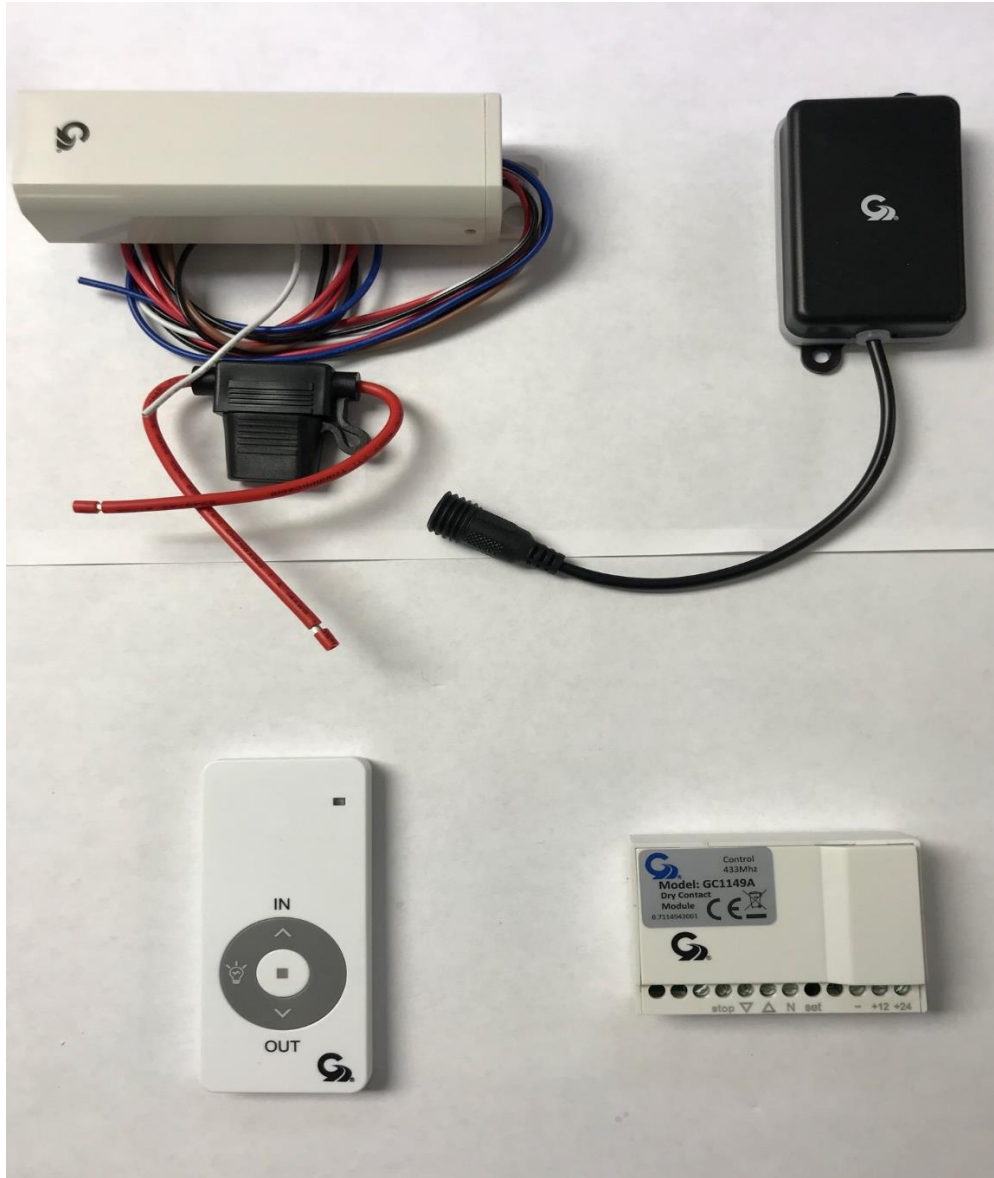


98GCK-45DR

INSTALATION AND PROGRAMMING GUIDE
REV.03092018





RV AWNING PRODUCTS

1361 CALLE AVANZADO, SAN CLEMENTE, CA 92673 (800) 382-8442 FAX (949)276-5500

www.girardrv.com



Girard Systems awnings may be operated in light wind and rain conditions. When periods of heavy rain and or high wind are expected the awning must be closed. Never leave the awning open and unattended.

Damage caused by wind and rain is not covered by warranty.

All awnings must be closed prior to moving the vehicle for any reason. As an extra safety precaution a visual check that every awning is fully closed is required.

Damage caused by failure to comply with these instructions is not covered by warranty.

Before using your awning, ensure that the area into which the awning will be deployed is free of obstructions (Trees, walls, pillars, posts, other vehicles etc.)

Damage caused by collisions with any of the above or similar is not covered by warranty.

Before using your awning make sure that all of your electrical circuits are operating correctly. Recreational Vehicles can generate AC power from three separate sources. The electrical system transfer switch in your vehicle will select power for the awning as follows:

Shore Power – if connected;

Generator Power – if the generator is running;

Inverter Power – batteries must be charged for inverter operation.

Girard Systems awnings are supplied with an electric motor appropriate to the product.



CONTENTS

Product description	3
DC Controller Installation Wiring Diagram.....	4
PAIRING WITH 98GC1063 SINGLE CHANNEL HANDSET.....	5-6
PAIRING WITH Dry Contact Module GC1149A.....	7-9
PAIRING WITH A MOTION SENSOR GC779G.....	10-14

THE G-LINK SYSTEM

The G-Link motors and control modules provided by Girard Systems communicate by use of RF signals on a frequency of 433.92 MHZ. This eliminates the need for wiring and the drilling of holes in the vehicle. These components must be electronically matched, programmed or paired before use. This is usually done at the Girard Systems factory. Should the need arise for the user to pair a device with the motor controller they must refer to the appropriate manual for the devices applicable to their particular installation.

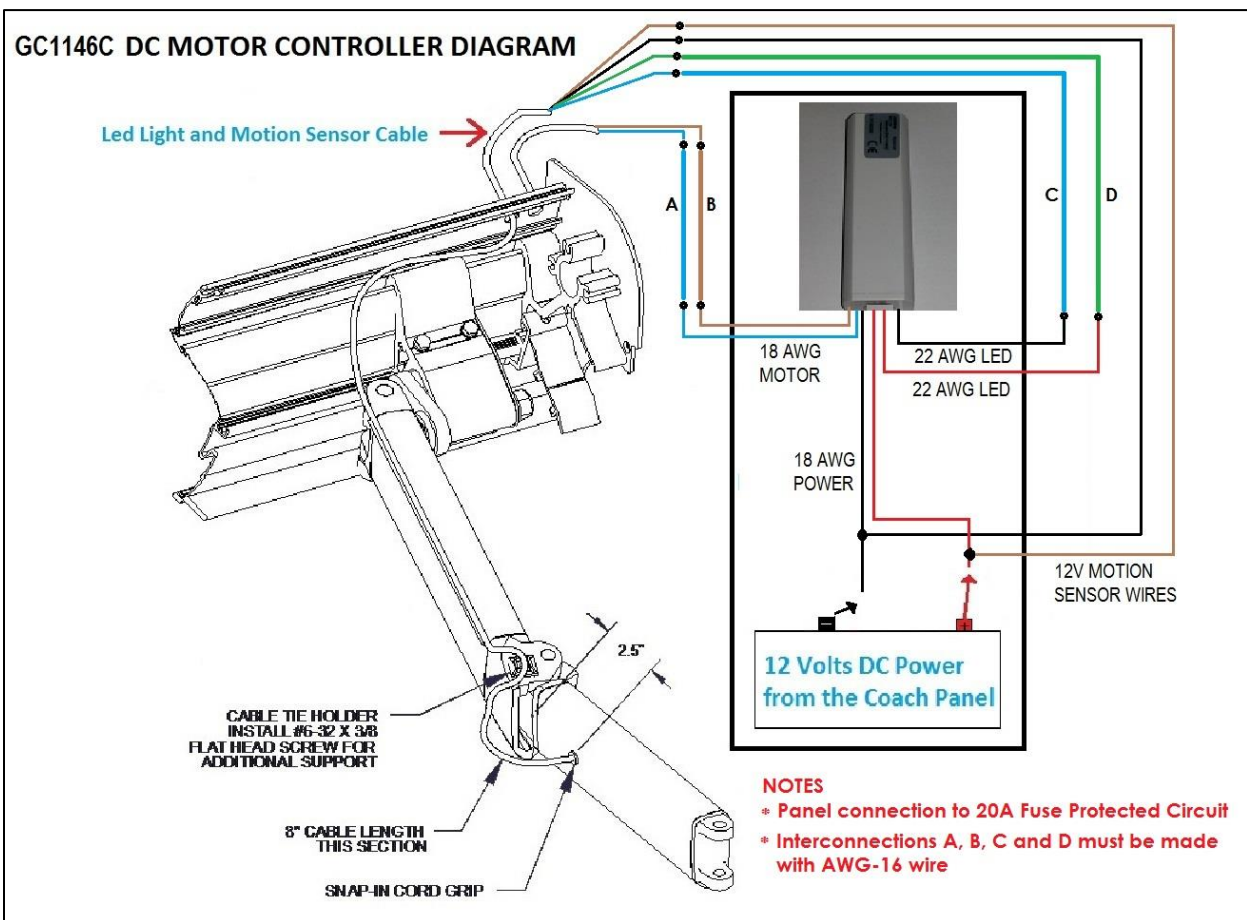
PRODUCT DESCRIPTION

The GC1146C is a 12v DC Motor Control Module which requires a 20 Amp Circuit breaker or fuse protected power supply, designed to control a single awning motor. The thicker RED and BLACK wires are the module's input power supply which should be connected to the vehicle's Power distribution panel. The thinner RED and BLACK wires are the 12v output to the LED lighting strip. The BLUE and BROWN wires are the 12v output which should be connected to the awning motor. The longer White wire is the modules RF antenna. The GC1146C has an operating frequency of 433Mhz, and a range of up tp 650' in the open or 110' where there are obstructions. This module can be paired with up to 20 compatable RF remote devices. If additional devices are paired with the GC1146C, previously paired devices will be overwritten in turn from the second device onward.



WARNING

“To reduce the risk of electric shock the operator power is to be provided from a weatherproof junction box in the case of permanent wiring, as per 314.15 of the National Electrical Code, NFPA 70.”
To prevent the motor protector from tripping do not exceed 2 minutes of operation per hour.



PAIRING WITH REMOTE DEVICES

The following pages give instructions on how to pair the GC1146C Motor controller with various compatible RF remote control devices. Please ensure that the correct set of instructions are followed for the device being paired with the Motor controller.

98GC1063 SINGLE CHANNEL HANDSET



Fig.1



Fig.2

The 98GC1063 is the simplest of devices, IN and OUT buttons clearly marked. If you should wish to stop the awning at any point press the center of the control pad. See Fig.1 Above. On the back of the handset you will find the P2 button and the battery tray.

The programming window for this module is only 10 seconds so please ensure that the programming instructions are read and understood before attempting to execute them.

- 1) Supply power to the motor control module. (It will beep ONCE)
- 2) Press the P2 button on the handset TWICE. (The motor controller will beep with each press)



3) Press the IN button on the handset. (The awning should retract)

If the awning extends at this point instead of retracting, press the STOP button immediately, then remove the power supply to the motor controller for at least 10 seconds.

Next repeat steps 1 and 2 above then press the OUT button on the handset to complete the programming procedure.

Ensure that the awning responds correctly to the handset by pressing the OUT, STOP and IN buttons alternately.

DRY CONTACT MODULE GC1149A

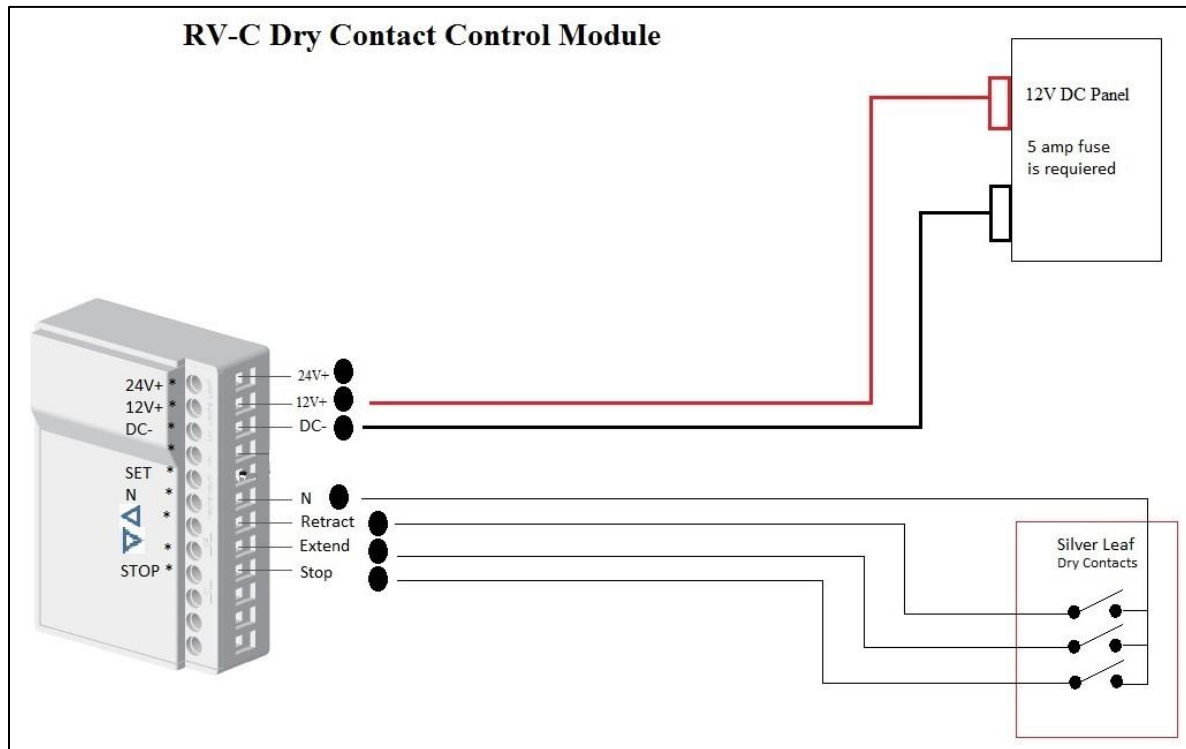


Fig.1

Technical Specification

- Input voltage : 12V/24V
- Transmitting frequency : 433MHz
- Transmitting power : 10 milliwatts
- Transmitting distance : 500 Feet open area
- 120 feet on two walls

MODES OF OPERATION

The GC1149A has 3 modes of operation;

1. Continuous Mode (Default) – A single press of a command button will allow the awning to fully extend or retract unless interrupted by the STOP button.
2. Step Mode (Selected) – The command button must be held down to allow the awning to fully extend or retract. The motor will stop as soon as the command button is released.
3. Secondary Continuous Mode (Selected) – A single press of a command button will allow the awning to fully extend or retract unless interrupted by pressing either the same command button or the stop button.

To select each mode the module must be connected to a 12v power supply.

- Use a small screwdriver or similar tool to press and hold the SET button, a blue/purple LED next to the set button will begin to flash 5 times slowly and then ONCE quickly to indicate the DEFAULT mode.
- Continue to hold the set button (for about 12 seconds) until the LED flashes TWICE quickly. This will select the STEP mode.
- Continue to hold the set button (for about 20 seconds) until the LED flashes 3 TIMES quickly. This will select the secondary continuous mode.





PROGRAMMING STEPS

NOTE:

- **Before starting this procedure, the Receiver must be without power (OFF) for at least 10 seconds.**
- **During the programming function the interval between each step required must be less than 10 seconds**

1. Programming the 98GC1149A

- a. Connect the Dry Contact Control Module (GC1149A) to 12 Volts DC (Fig.1)
- b. Supply power to the **Remote Motor**: a soft beep will be emitted by the RF receiver in the unit.
- c. Press the P2 button twice on a programmed transmitter, (A beep will be emitted by the RF receiver with each press)
- d. Press the Retract button on the dry contact or using a small jumper from Common to Retract, which will link the GC1149A to the motor.
- e. Try to operate the Awning by using the system or by using small jumpers from common to retract terminal. If the Awning does not move, repeat steps "a" to "e".

Note: If the motor turns in the opposite direction, repeat "a to e" but now use Extend instead of Retract.



PAIRING WITH A MOTION SENSOR GC779G

Identify the Primary remote which operates the Motor controller for the awning on which the motion sensor is to be mounted. There may be more than one on the vehicle.

Prepare the Motion Sensor for pairing by carrying out the following procedure.

Remove the 2 small Phillips screws which secure the motion sensor to the mounting bracket. The base of the module is magnetized so will need to be gently lifted off.



Fig.1

Then turn it over.



Fig.2

Remove the 4 Phillips screws holding the module together. Remove the base plate and silicone insert.

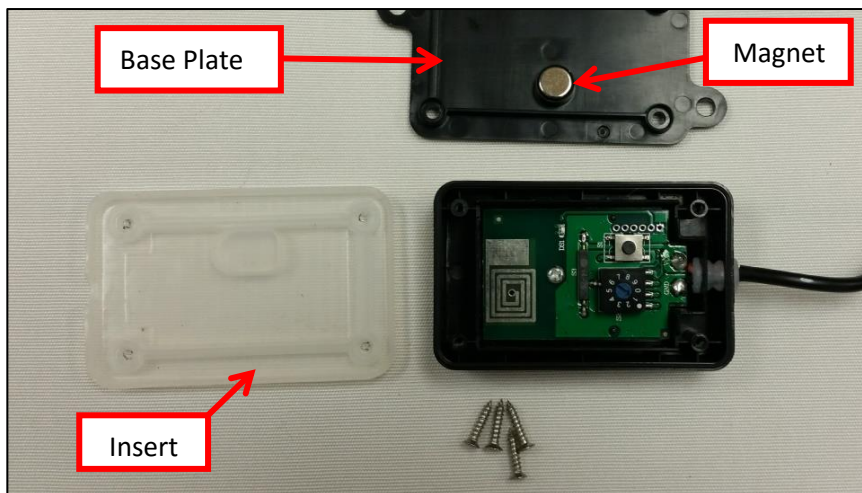


Fig.3

Turn the base plate over (Magnet down). Then place the motion sensor on top of it so that the magnet is aligned with the reed switch. **If this is not done the default program cannot be changed.**

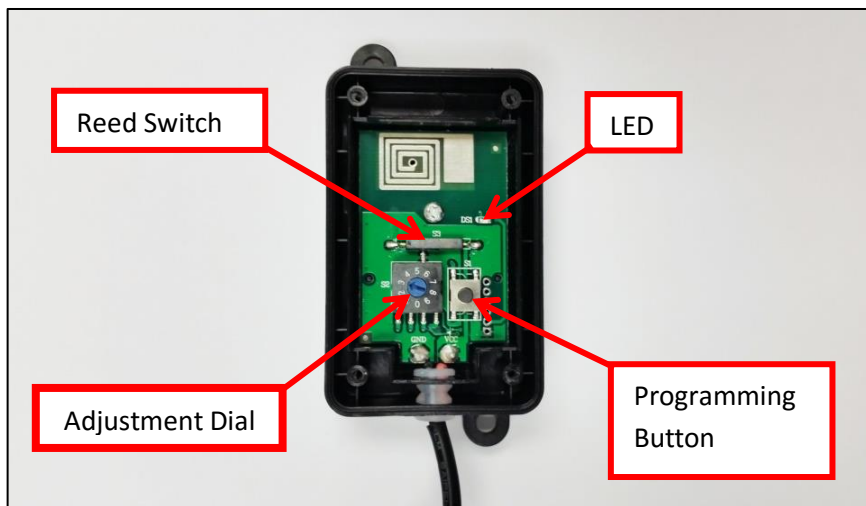


Fig.4

Fully extend the awning to ensure smooth operation, then retract the awning leaving it partially open (about 3 feet).

Locate the P2 Button on the back of the handset.



Note; when carrying out this part of the procedure each step must be executed within 6 seconds of the previous one or the module will revert to factory settings. It is highly recommended that you read and understand the following sequence before attempting to execute it.

- 1) Set the Motion Sensor Adjustment Dial to 0. (See Fig.4).
- 2) Connect the GC779G Motion sensor to a 12volt DC circuit. At this point the Purple LED will illuminate and then begin to blink. If it does not, the unit is not receiving the correct power. Ensure that the magnet and reed switch are aligned and verify the electrical connection before proceeding.
- 3) Using an appropriate tool, press the P2 Button on the back of the Remote Controller TWICE. The GC1146C will bleep ONCE with each press.
- 4) Press the programming button on the GC779G Motion sensor ONCE (See Fig.4). The GC1146C will bleep several times to indicate that the program has been accepted.
- 5) Ensure that the code was accepted by pressing the Program button on the GC779G Motion sensor again. The Awning should make a small step IN or OUT. Or shake the motion sensor and the Awning will fully retract.
- 6) If the Awning does not retract, repeat steps a. to d.
- 7) Set the Adjustment Dial to the desired sensitivity level 1 to 5. **Never set higher than 5.** (The factory setting is 3).

Once programming is complete, reassemble the Motion sensor module and mount it on the awning lead rail.



PAIRING WITH ADDITIONAL DEVICES

As mentioned in the Product description the GC1146C can be paired with up to 20 compatible devices, wall switches handsets and others. The first device to be paired with the 98GC74 Motor Controller shall now be referred to as the PRIMARY REMOTE which is used to program all additional devices which shall be referred to as the SECONDARY REMOTE or SECONDARY DEVICE. To add a secondary device to the motor controller, carefully follow the steps below.

Note; when carrying out this part of the procedure each step must be executed within 6 seconds of the previous one or the module will revert to factory settings. It is highly recommended that you read and understand the following sequence before attempting to execute it.

- 1) First ensure that the Primary remote device is functioning correctly.
- 2) Ensure that the Secondary device has the battery /batteries inserted correctly.
- 3) Press the P2 Button on the Primary Remote TWICE (The Motor controller will beep with each press)
- 4) Press the P2 Button on the Secondary remote ONCE (The motor controller will beep again)
- 5) Press IN or OUT on the Secondary remote and ensure that the awning responds accordingly.



REMOVING AN ADDITIONAL DEVICE

Select the Secondary device that is to be removed from the 98GC74's list and follow the steps below;

- 1) Press the P2 Button on the device ONCE (The Motor controller will beep in response.
- 2) Press the STOP Button on the device ONCE.
- 3) Press the P2 Button on the device again. The Motor controller will beep several times indicating that the secondary device has been cancelled.

For queries or assistance with programming any of your G-Link devices please call Girard Systems TOLL FREE on 800-382-8442 between 7:30am and 3:30pm P.S.T.