

# IGNITION RETRACT & LOCK MODULE

## 98GC1102

INSTALLATION & PROGRAMMING GUIDE

REV.12312015



**RV AWNING PRODUCTS**

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

[www.girardrv.com](http://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 .....   | 4 |
| Wiring Diagrams .....       | 5 |
| Programming Procedure ..... | 6 |
| Programming the Delay ..... | 7 |

## 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.



### 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.



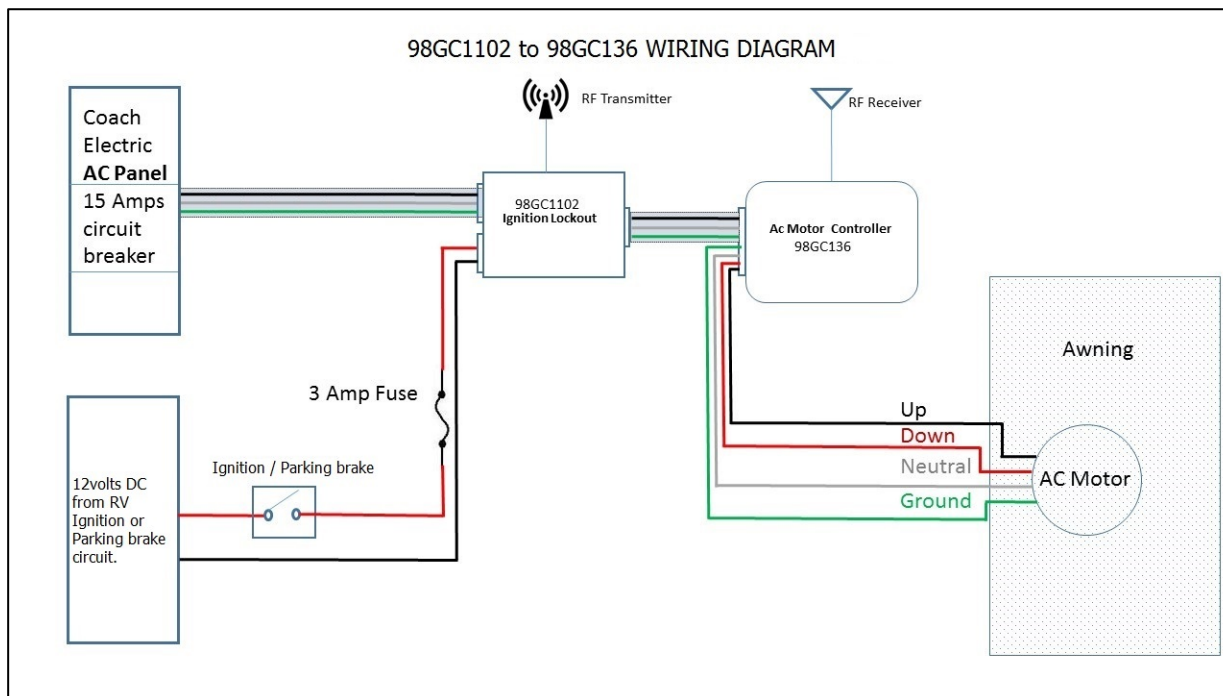
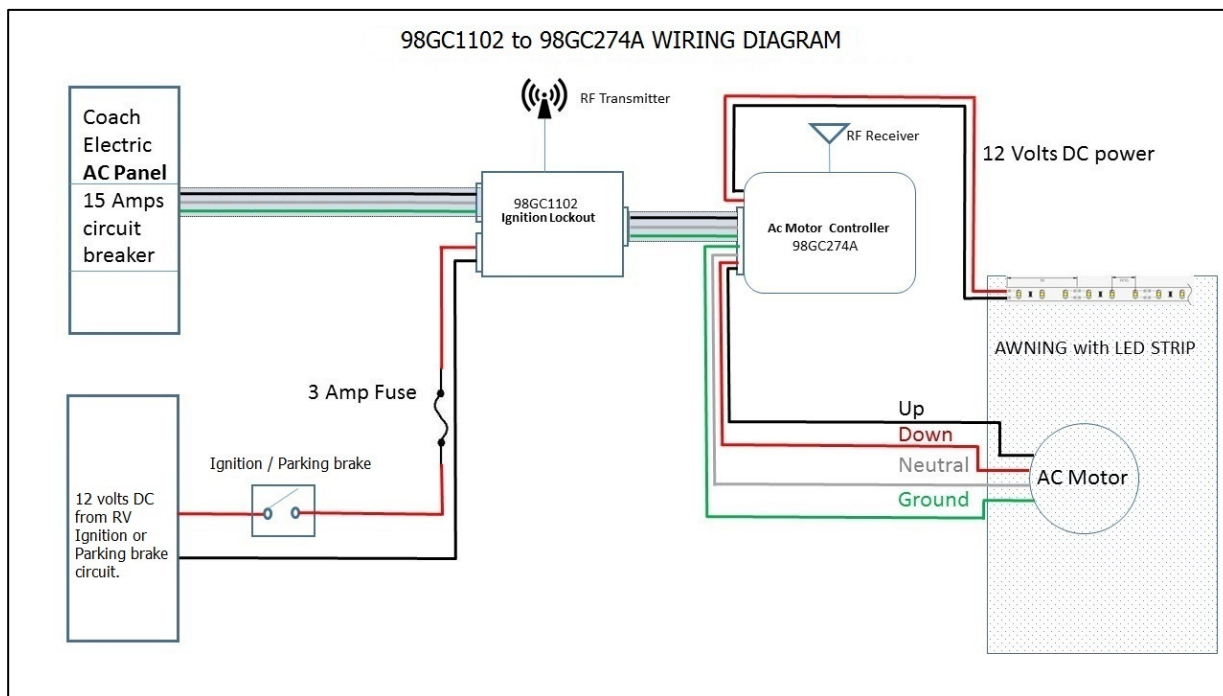
## **PRODUCT DESCRIPTION**

The 98GC1102 Ignition Retract and Lockout Module is designed to send a retract signal to any electronically paired G-Link motor control modules installed on the Recreational Vehicle, whenever the engine is turned on or the parking brake released (dependent upon the installation). The 98GC1102 can be electronically paired with more than one motor controller, but only electrically isolates power from the motor controller that it is connected to. This being the case it is advised that each awning on the vehicle to have its own Ignition Retract and Lockout Module

For installations that consist of more than one awning, a delay should be set for each additional Ignition Retract and Lockout module using the procedure described in this manual (see programming the delay).

The 98GC1102 will send the retract signal 3 times in the first 5 seconds of the Vehicle engine starting or the parking brake being released, this will ensure that all electronically paired awnings have been sent a retract signal before the vehicle moves. 90 seconds after sending a "Retract" signal, the 98GC1102 will isolate power from the motor controller to which it is connected and the power will remain isolated until the engine is turned off again, (or the parking brake engaged) this prevents the awning from being accidentally extended while the vehicle is in motion.

The 98GC1102 has an AC Plug to enable connection to a 110v AC power supply, It is recommended that this plug be removed and the power supply be connected through an approved junction box to prevent the module being connected to an unsuitable power source. The white cable with the rectangular plug connects to the motor control module of the awning. To enable its function the 98GC1102 requires the Black and Red wires coming from the module to be connected to the 12 Volt Vehicle ignition circuit or the parking brake circuit (See the wiring diagrams on the next page).



## **PROGRAMMING PROCEDURE**

Ensure that the vehicle ignition circuit is switched OFF or the parking brake is engaged (whichever is applicable to the installation), and the awning is extended before connecting the 98GC1102 to the 12v DC circuit.

- a) Connect the **98GC1102** to a suitable 110v AC power supply.
- b) Connect the **98GC1102** to the G-Link Motor controller using the white connector (see figure 1).

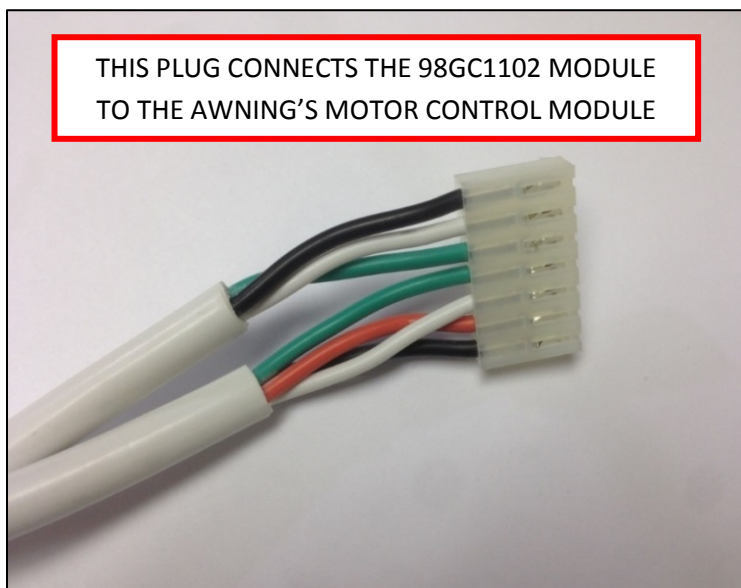


Figure 1

- c) Connect the **12v wires** of the **98GC1102** to the 12v ignition circuit or parking brake circuit of the vehicle.

**Note: When carrying out this part of the procedure each step must be executed within 10 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.**

- d) Press the PROGRAM button on the MOTOR CONTROLLER, the Green LED will start blinking.
- e) Press STOP on the MOTOR CONTROLLER, the Green LED will stop blinking and remain illuminated.
- f) Turn ON the Ignition Switch (or release the parking brake according to the installation). The green LED will turn off and the awning should retract. The MOTOR CONTROLLER will be disabled after 90 seconds.
- g) If the unit does not work as described above repeat d), e) and f) again.

## **PROGRAMMING THE DELAY**

- a) Remove the four screws on top of the 98GC1102 to open the Lid (See figure 2).

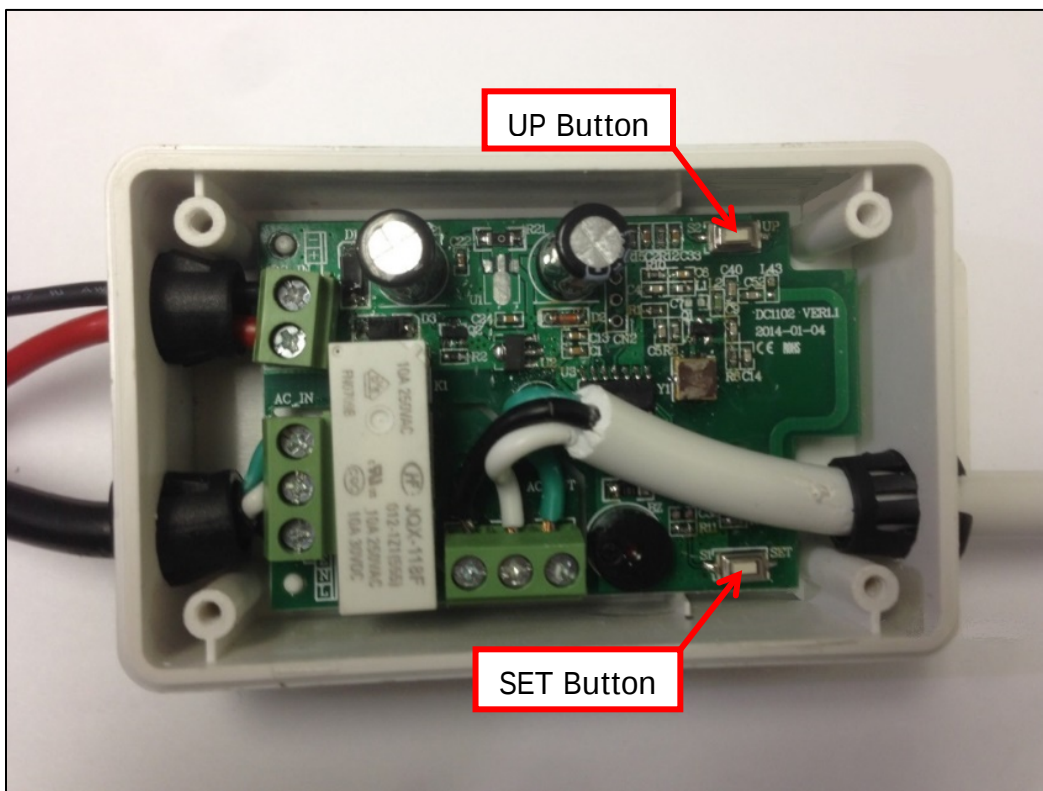


Figure 2

**Note; When carrying out this part of the procedure each step must be executed within 5 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.**

- b) With the engine **ON** press the **SET button** (see Figure 2) on the Ignition lockout for 6 seconds until you hear a beep.
- c) Press the **UP button** shown in Figure 2 to change the delay. Each press will be followed by a beep and it will increase the delay by one second.

**NOTE: Make sure the delay is different from every other Ignition Lockout in the coach.**

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.

---



---

# This manual is provided courtesy of **RV Tech Cheat Sheet**



**Professional resources for the whole RV industry — free.**

We put manuals, wiring diagrams and hard-won tech knowledge in every technician's hands, so repairs get done right the first time, techs work faster, and RV owners everywhere get better service.

---



---

**[rvtechcheatsheet.com/manuals](https://rvtechcheatsheet.com/manuals)**

**Find thousands more RV manuals, wiring diagrams and parts lists**

**RV techs:** share fixes, ask questions and learn from each other.

**Join our free Facebook group →**

---



---

Follow proper safety practices. If in doubt, consult a professional RV technician.