

# AWNING CONTROL KIT 98GCK-33B

REV.07282015



  
**GIRARD SYSTEMS®**

**RV AWNING PRODUCTS**

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

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# AC MOTOR CONTROL MODULE GC274B

INSTALLATION and PAIRING INSTRUCTIONS  
REV.07242015



  
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**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.





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## **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**

AC Motor Controller with LED (12V DC) control plus Ignition retract and lockout.

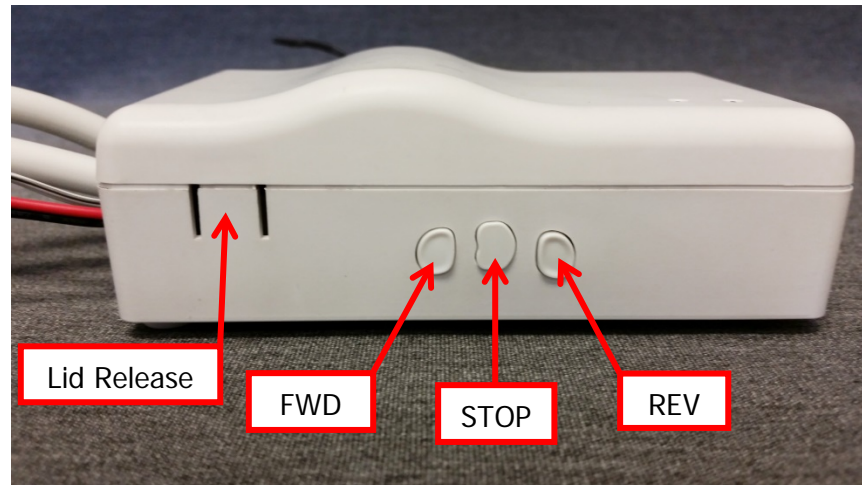


Fig.1

- This module is designed to control a single Standard 110v AC Motor up to 8 Amps and can be remotely operated with any paired G-Link handset or wall switch.
- The controller will receive signals from a distance of more than 500ft in open air and more than 100ft in the presence of obstructions. The RF transmission frequency is 433.92MHZ.
- The GC274B may be programmed with up to 20 compatible remote modules. If an additional module is programmed it will replace the most recently programmed module. The previous 19 modules will remain unchanged.
- The command to retract the awning can be initiated by turning on the ignition switch or by releasing the parking brake depending upon how it is installed.
- This module will cause the awning to retract when the vehicle prepares to move and then remove power to the awning so that it cannot be redeployed while the vehicle is in motion.

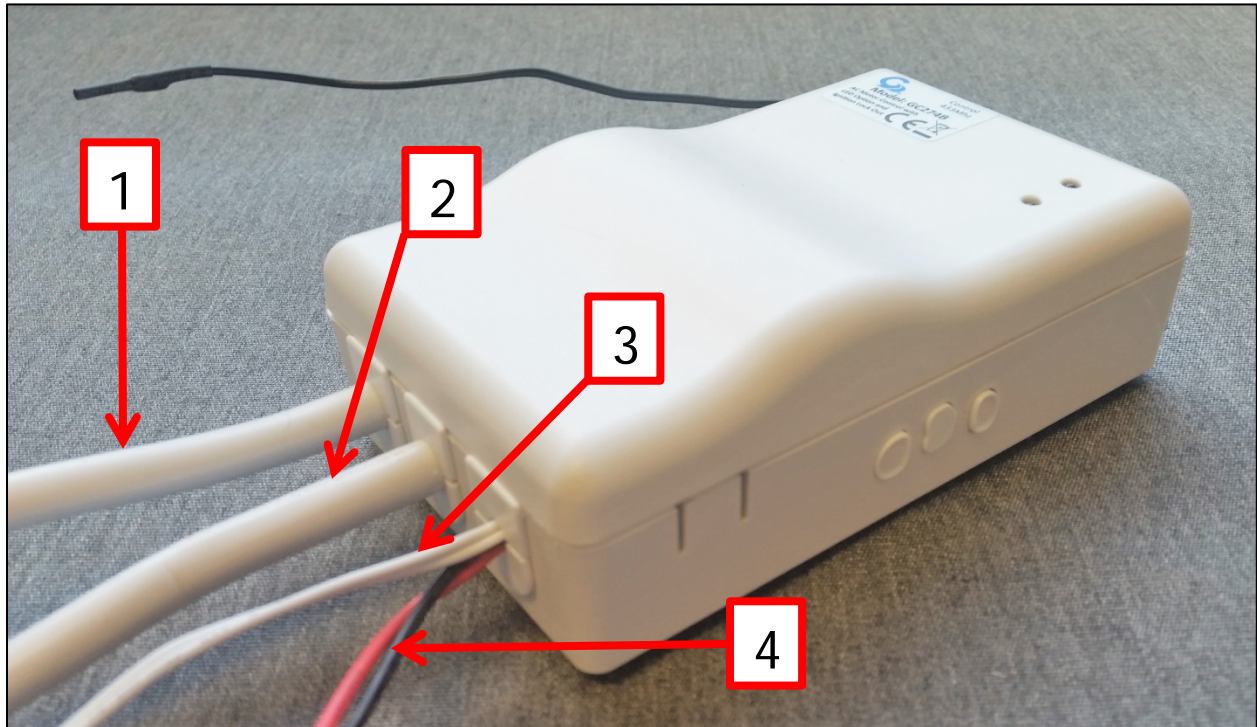


Fig.2

- 1) 110v AC Power supply from vehicle power distribution board.
- 2) Output to awning motor control.
- 3) Initiate retract signal from vehicle ignition or parking brake.
- 4) 12v DC to LED lighting.

### **Specifications**

Power: 110VAC / 60Hz

AC Input: White = Neutral / Black = Live / Green = Earth

To the Motor: White = Neutral / Red = Direction 1 / Black = Direction 2 / Green = Earth

Ambient T: 0 - 130°F

### **Installation**

A circuit breaker protected 15A/115v AC power outlet is required from the Vehicles power distribution panel as shown in the diagram below.

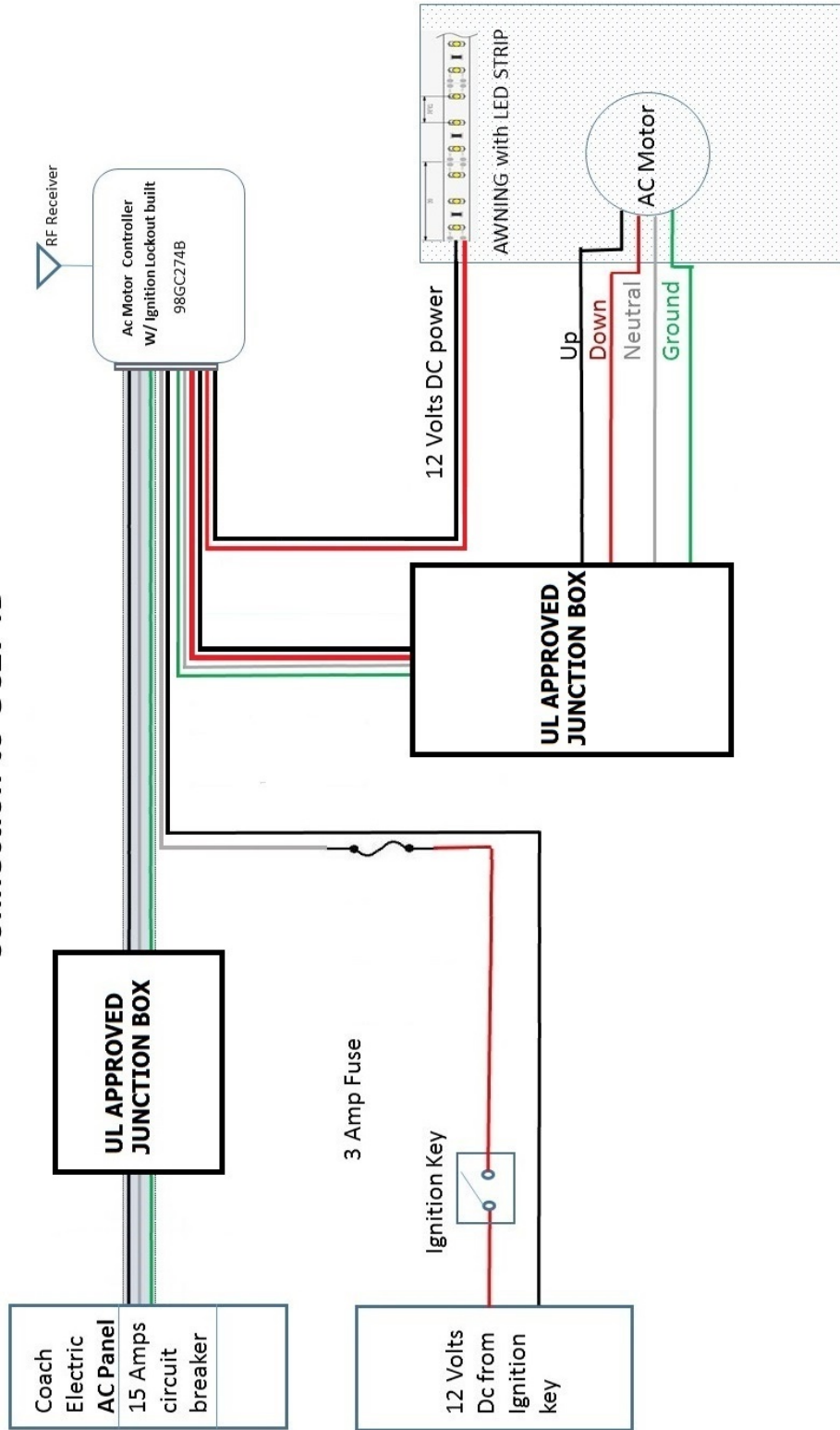
1. Install a UL approved 110VAC junction box in which to make the electrical connections.
2. Route the Awning's Motor cable to this location and make the connections to the GC274B in accordance with NEC requirements.

Mount the GC274B on the wall using the screws and tape provided.





## Connection to GC274B



# SETUP AND PROGRAMMING

## 1. Change motor direction

- a. Supply power to **GC274B**
- b. Simultaneously press the **LEFT** and **RIGHT** buttons of the **GC274B** for at least 6 seconds. The Green LED will illuminate and then blink a few times. When the Green LED extinguishes, the operation is complete.

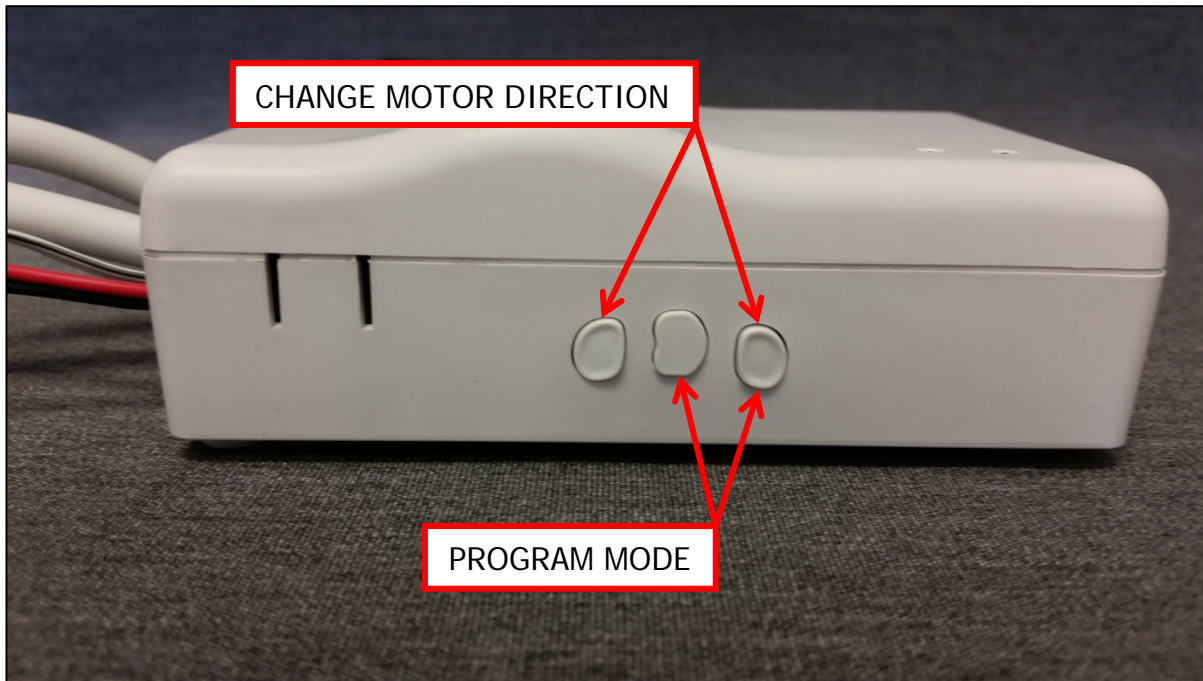


Fig.3

**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.**

## 2. Programming the GC274B to a Remote handset or Wall switch

- a. Supply power to the GC274B
- b. Press and hold the **MIDDLE** and **RIGHT** buttons on the GC274 (Fig 3) for about 5 seconds until the Green LED starts to flash.
- c. Press STOP (Fig. 1): The Green LED will stop blinking and remain illuminated.
- d. Press the **UP** button on the REMOTE DEVICE being programmed. The Green LED on the motor controller will extinguish.

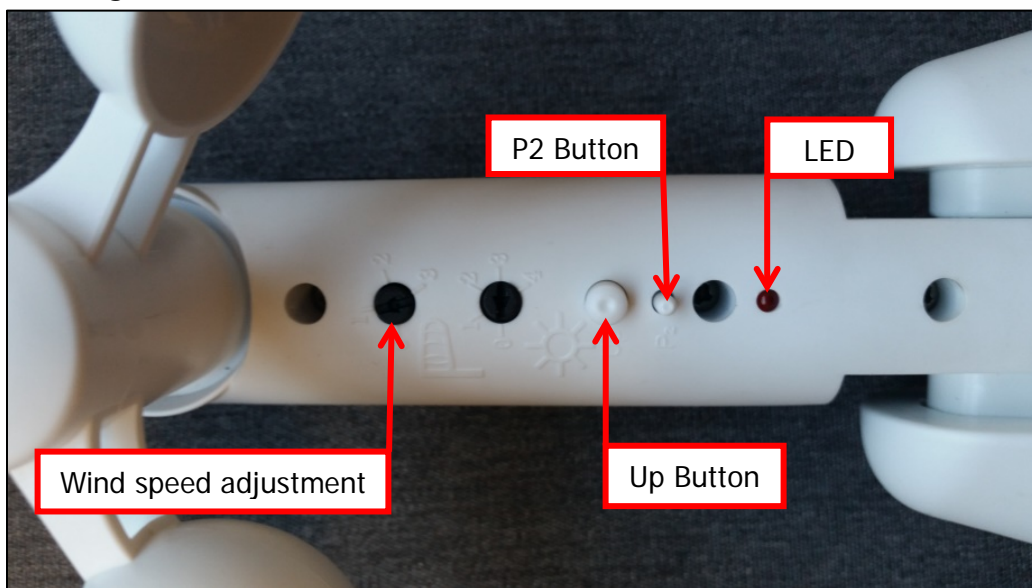
### 3. Cancel one Remote from the GC274B

- a. Supply power to the GC274B
- b. Press and hold the **MIDDLE** and **RIGHT** buttons on the GC274 (Fig 3) for about 3 seconds until the Green LED starts to flash.
- c. Press STOP (Fig. 1): The Green LED will stop blinking and remain illuminated.
- d. Press the **DOWN** button on the REMOTE DEVICE being cancelled. The Green LED will extinguish.

### 4. Cancel all of the Remotes from the GC274B

- a. Supply power to GC274B
- b. Simultaneously press the **STOP** and **LEFT** button of the GC274 for at least 6 seconds: The Green LED will first illuminate and then blink a few times. When the Green LED extinguishes the operation has been completed.

### 5. Programming the GC274B to an Anemometer (98GC116I)



- a. Supply power to the GC274B and the GC116I(Leave them on if already on)
- b. Press and hold the **MIDDLE** and **RIGHT** buttons on the GC274 (Fig 3) for about 3 seconds until the Green LED starts to flash.
- c. Press the STOP button on the GC274B (The Green LED will remain illuminated)
- d. Press the UP button on the GC116I.
- e. Extend awing using a Remote Control and press the UP button again on the GC116I to verify that the unit is working properly (the awning should Retract)
- f. Set the wind speed adjustment dial of the anemometer to in between 1-2.



## 6. Programming the GC274B to a Motion Sensor (98GC779G)

This procedure will require opening up the motion sensor module by following the directions below;

- a. Remove the 2 small cross head screws which secure the motion sensor to the mounting bracket. See Fig.1.



Fig.1

- b. Detach the motion sensor from the bracket, the base plate is magnetized so will need to be gently lifted off. Then turn it over. See Fig.2.



Fig.2

- c. Remove the 4 cross head screws holding the module together. Remove the back plate and silicone insert. See Fig.3.

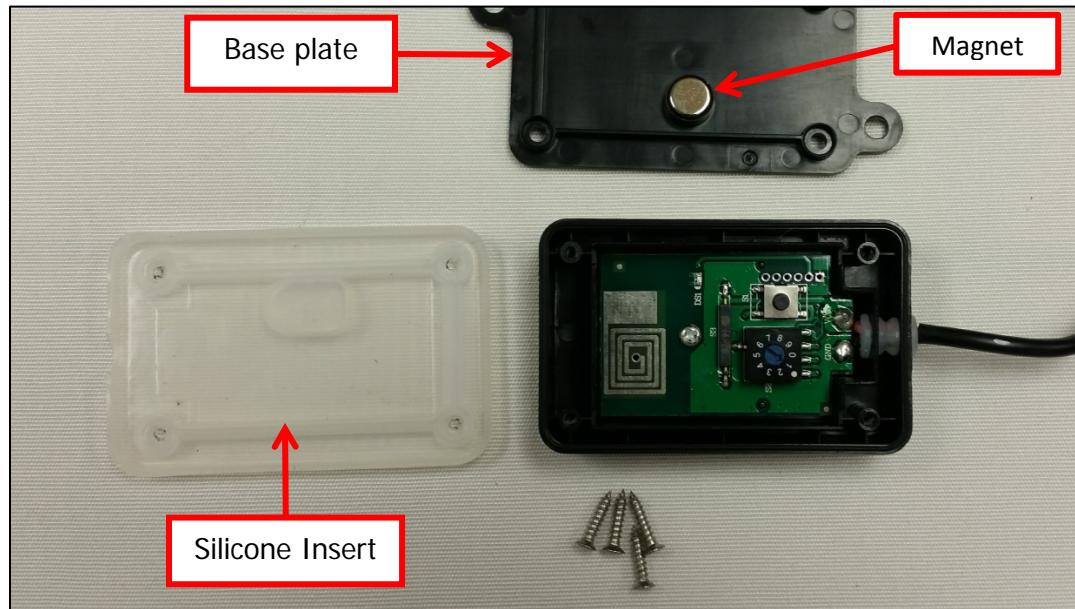


Fig.3

- d. 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. See fig.4. **If this is not done the default program cannot be changed.**

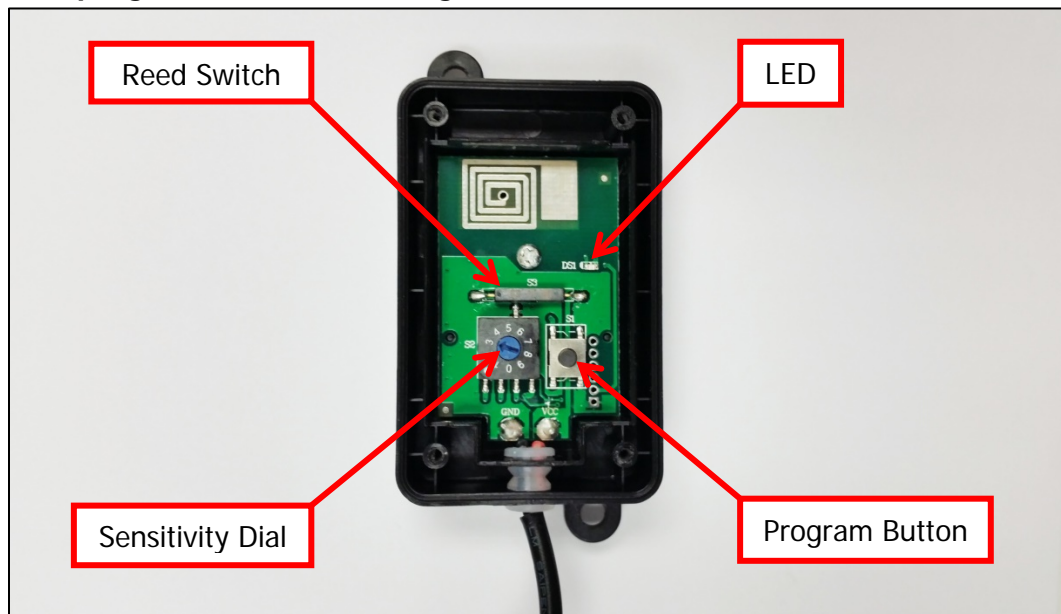


Fig.4



**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.**

- a. Set the Motion sensor Adjustment Dial to level 5. (See Fig.4)
- b. To initiate the programming sequence, power to the motor controller must be disconnected for at least 10 seconds then reconnected.
- c. 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 module is not receiving the correct power. Ensure that the magnet and reed switch are aligned and verify the electrical connection before proceeding.
- d. Press and hold the **MIDDLE** and **RIGHT** buttons on the GC274 (Fig 2) for about 3 seconds until the Green LED starts to flash.
- e. Press the Stop button on the Motor controller (see fig.4). The green LED will illuminate continuously.
- f. Press the programming button on the GC779G Motion sensor (See Fig.4). Both the Purple LED on the Motion sensor and the green LED on the Motor controller will flash once and extinguish. This completes the programming sequence.
- g. Ensure that the code was accepted by pressing the Program button on the GC779G Motion sensor again. The Awning should retract.
- h. If the Awning does not retract, repeat steps a. to f.
- i. 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 on the awning lead rail.

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.



# 12V MOTION SENSOR 98GC779G

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## THE G-LINK SYSTEM

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## INSTALLATION GUIDELINES

The purpose of this device is to automatically send a signal to the motor controller of the fitted awning to fully retract the awning in windy weather conditions.

In new installations the 98GC779 Motion sensor is preprogrammed at the factory. Replacement Motion sensors will need to be programmed. This guide contains the instructions of how to do so.

The photograph below illustrates the recommended position for the Motion sensor as fitted to a Nova or Nova II Awning with a Right mounted motor.



Note that the bracket is mounted on the inside of the lead rail. The screws for this purpose are supplied with the device and on new installations the holes will be pre drilled. The location of the motion sensor will vary depending upon the arm placement of each installation.

**Extreme care should be taken when placing the device to ensure that when the Awning is closed, the motion sensor or associated wiring will not be damaged.**



The cable of the Motion sensor points in toward the middle of the awning, and is connected by means of a water resistant connection as shown in the photographs below.



A.



B.



C.

Once connected the cable should be tied and secured neatly to the awning lead rail.



D.



E.

If the Awning has a Left mounted motor and the cable position of the Motion sensor needs to be changed, this can be done very easily by simply removing the 2 small Phillips screws securing the module to the mounting bracket and turning the module so that the cable is now to the left and the Girard Systems Logo is facing upward, and then replace the screws. So that this ....

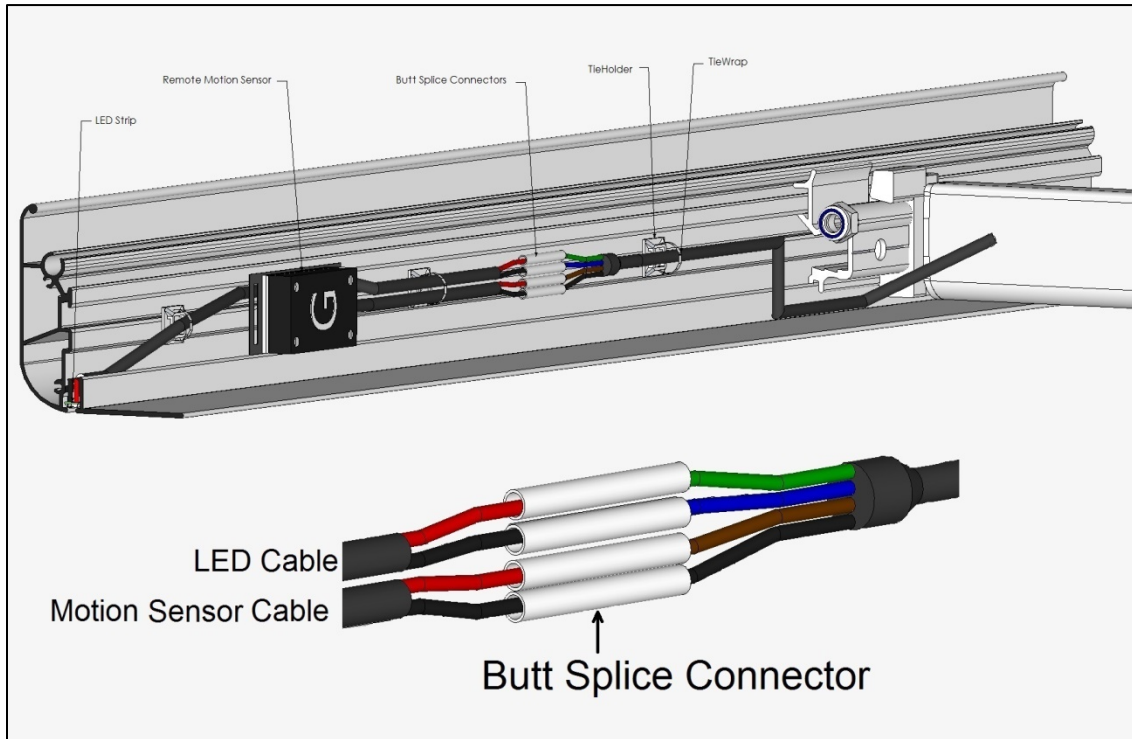


Becomes this.

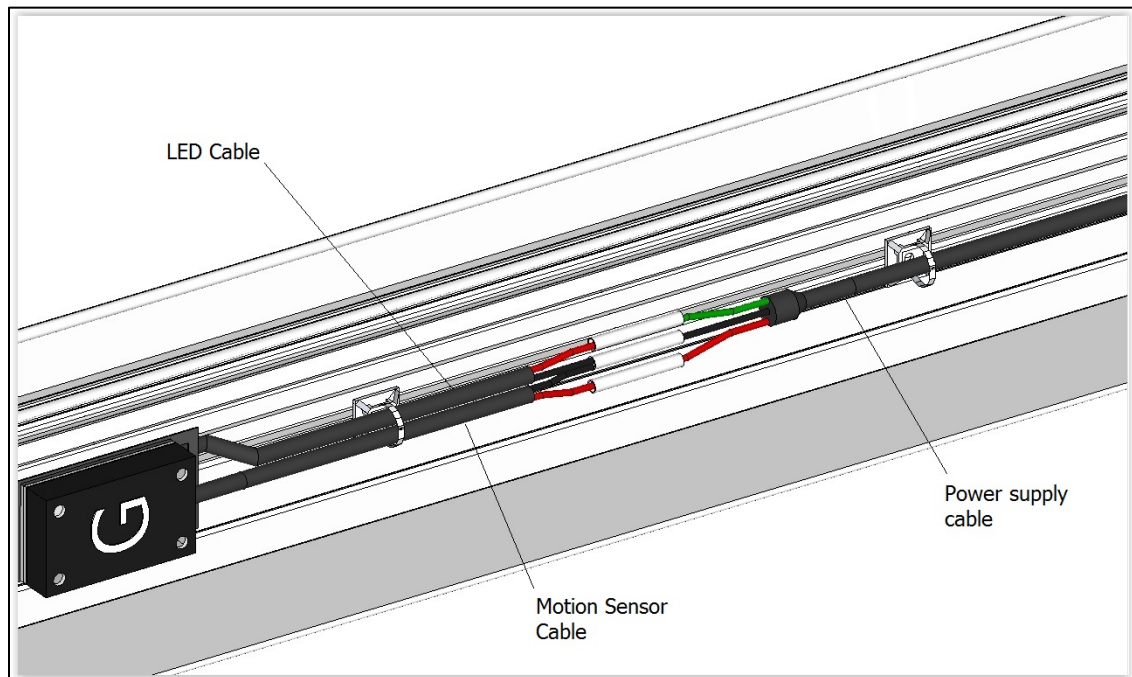




# Motion Sensor and LED Connections



4 conductor power supply



3 conductor power supply



# Programming the Motion Sensor (98GC779G)

## Preparation for Pairing

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.

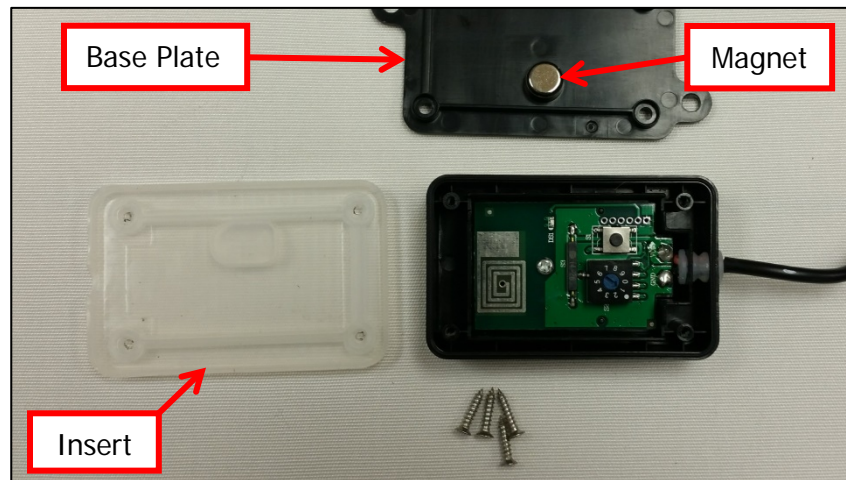


Fig.3

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.**

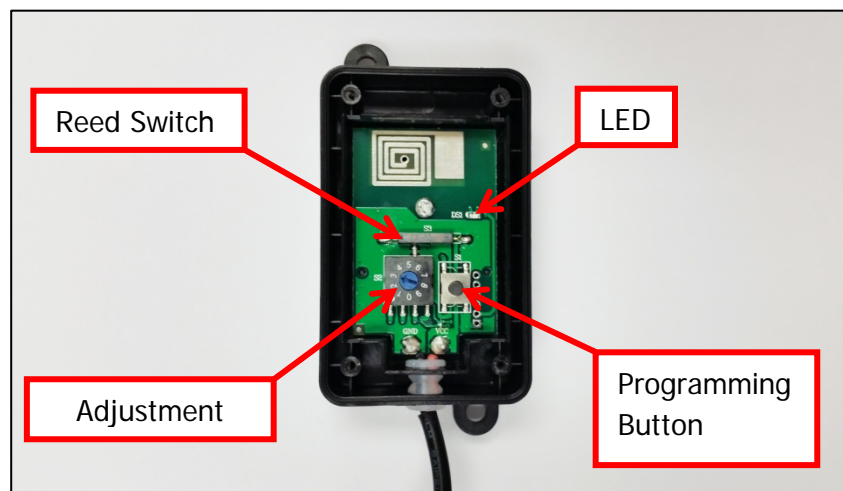


Fig.4

## **Pair with GC274A or GC274B Motor controller.**

First identify which GC274 Motor Controller must be paired with the motion sensor, there may be more than one installed on the vehicle. This can be achieved by pushing the FWD / REV buttons on the side of the controller and observing which awning responds.

This procedure will require opening up the motion sensor module and the Motor Control module by following the directions below;

Remove the lid of the Motor control module by pushing in the Lid release catch on both sides of the box as illustrated in Fig.5, and then lift the lid.

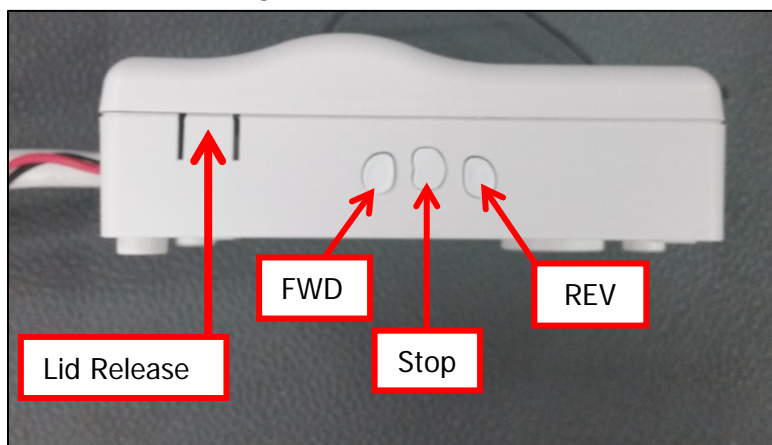


Fig.5

Locate the programming button as illustrated in Fig.6.

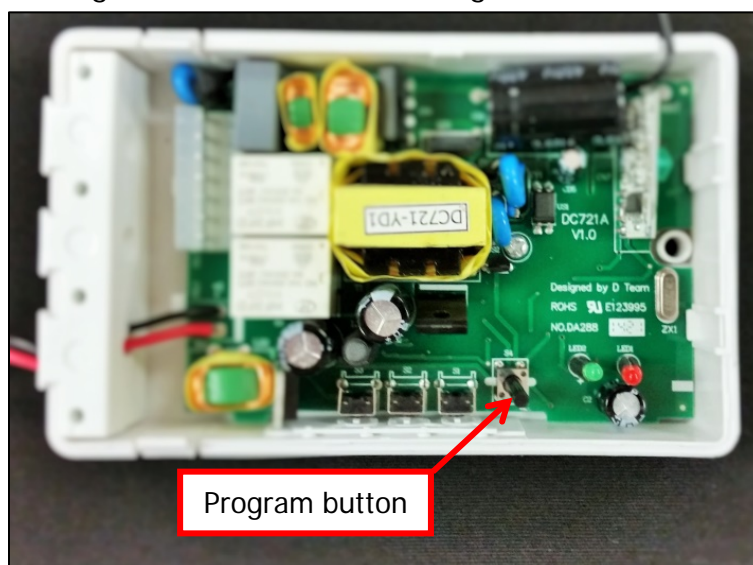


Fig.6



Next Prepare the motion sensor for pairing as described on pages 8 & 9.

**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.**

- a. Set the Motion sensor Adjustment Dial to level 5. (See page 9 Fig.4)
- b. To initiate the programming sequence, power to the motor controller must be disconnected for at least 10 seconds then reconnected.
- c. 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 module is not receiving the correct power. Ensure that the magnet and reed switch are aligned and verify the electrical connection before proceeding.
- d. Press the program button on the Motor controller (see fig.6). The green LED will start blinking.
- e. Press the Stop button on the Motor controller (see fig.4). The green LED will illuminate continuously.
- f. Press the programming button on the GC779G Motion sensor (See Fig.4). Both the Purple LED on the Motion sensor and the green LED on the Motor controller will flash once and extinguish. This completes the programming sequence.
- g. Ensure that the code was accepted by pressing the Program button on the GC779G Motion sensor again. The Awning should retract.
- h. If the Awning does not retract, repeat steps a. to f.
- i. 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 on the awning lead rail as previously instructed.

## Pair with GC136 Motor Controller



Fig.7

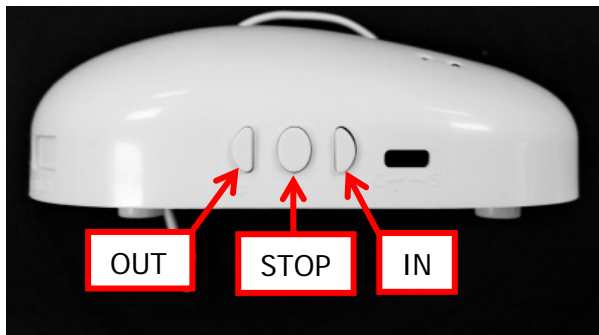


Fig.8

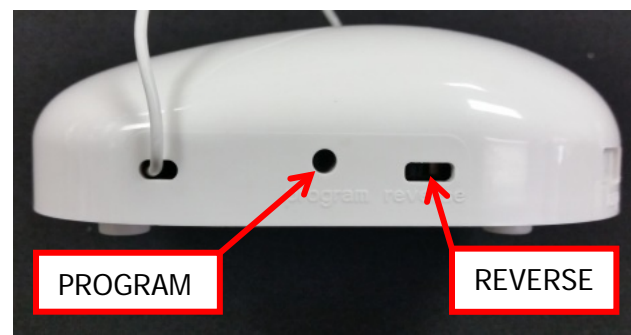


Fig.9

First identify which GC136 Motor Controller must be paired with the motion sensor, there may be more than one installed on the vehicle. This can be achieved by pushing the IN/OUT buttons on the side of the controller and observing which awning responds. See Fig.8.

Familiarize yourself with the buttons and switches indicated in these illustrations.

Next prepare the motion sensor for pairing as described on pages 8 & 9.





**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.**

- a. Set the Adjustment Dial to level 5. (See page 9 Fig.4).
- b. To initiate the programming sequence, power to the motor controller must be disconnected for at least 10 seconds then reconnected.
- c. 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.
- d. Using a small screwdriver, or the end of a paper clip press the Program Button on the GC136 Motor Controller.(see fig 9) The Green LED on the Motor Controller will begin to flash.
- e. Press the Stop Button on the Motor Controller. The Green LED on the Motor Controller will illuminate continuously.
- f. Press the programming button on the GC779G Motion sensor (See Fig.4). Both the Purple LED on the Motion sensor and the green LED on the Motor controller will flash once and extinguish. This completes the programming sequence.
- g. Ensure that the code was accepted by pressing the Program button on the GC779G Motion sensor again. The Awning should retract.
- h. If the Awning does not retract, repeat steps a. to f.
- i. 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 on the awning lead rail as previously instructed.

## Pair with DC Motor Controller GC732G



Fig.10

First identify which GC732G Motor Controller must be paired with the motion sensor, there may be more than one installed on the vehicle. This can be achieved by pushing the IN/OUT buttons on the face of the controller and observing which awning responds.

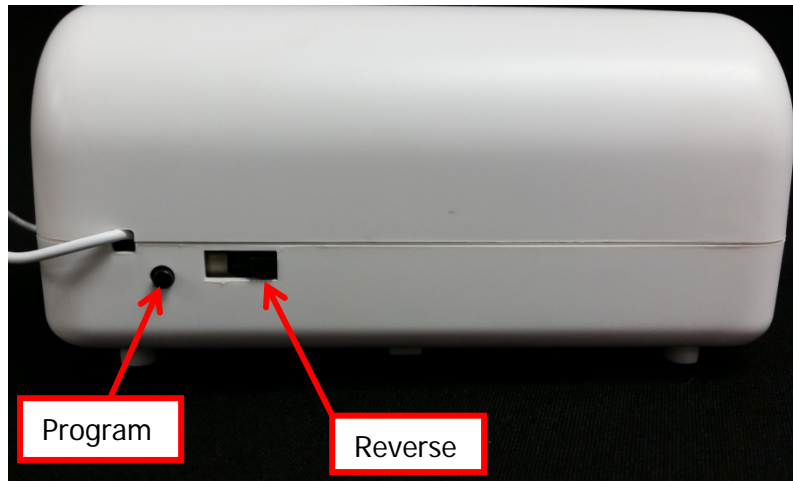


Fig.11

Familiarize yourself with the buttons and switches indicated in these illustrations. Next prepare the motion sensor for pairing as described on pages 8 & 9.



**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.**

- a. Set the Adjustment Dial to level 5. (See page 9 Fig.4).
- b. To initiate the programming sequence, power to the motor controller must be disconnected for at least 10 seconds then reconnected.
- c. 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.
- d. Press and hold the Program Button on the side of the GC732G Controller for about 3 seconds. (See fig11).The Red LED on the Motor Controller will illuminate.
- e. Press the programming button on the GC779G Motion sensor (See Fig.4). Both the Purple LED on the Motion sensor and the Red LED on the Motor controller will flash once and extinguish. This completes the programming sequence.
- f. Ensure that the code was accepted by pressing the Program button on the GC779G Motion sensor again. The Awning should retract.
- g. If the Awning does not retract, repeat steps a. to e.
- h. 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 on the awning lead rail as previously instructed.

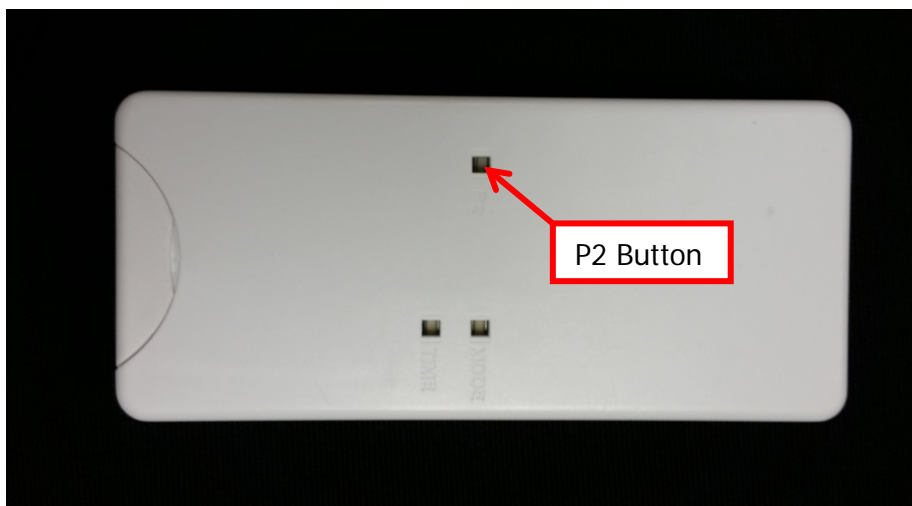
## Pair with 12vDC Motor Controller GC1146C



Identify the hand held remote Handset which operates the DC Motor controller for the awning on which the motion sensor is to be mounted. This is likely to be either a 98GC1063 Single channel, or a 98GC1029 Multi channel handset.

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

Locate the P2 Button on the back of the handset.



Familiarize yourself with the buttons and switches indicated in these illustrations. Next, prepare the motion sensor for pairing as described on pages 8 & 9.





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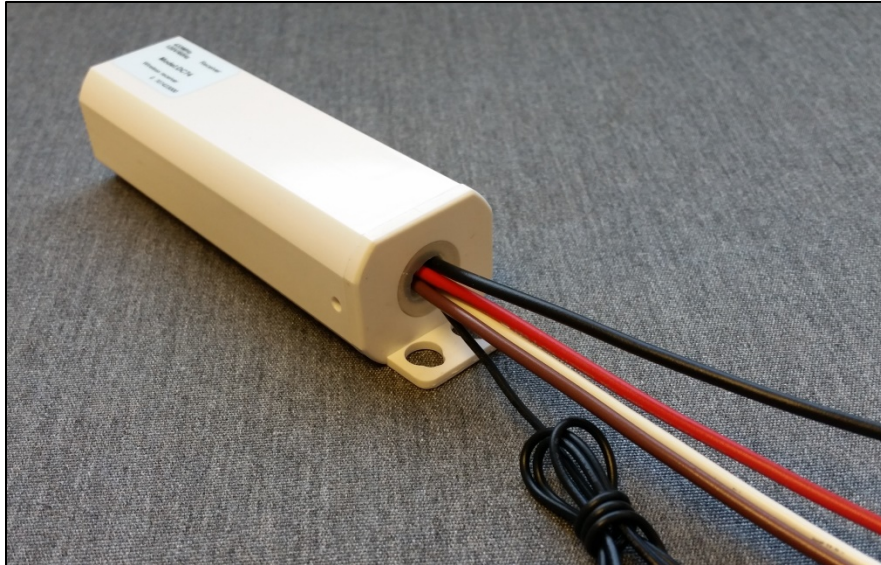
**Note; When carrying out this part of the procedure each step must be executed within 10 seconds of the previous one or the module will revert to factory settings. It is highly recommended that you read and understand the following sequence before attempting to execute it.**

- a. Set the Motion sensor Adjustment Dial to 0. (See page 9 Fig.4).
- b. 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.
- c. Using an appropriate tool, press the P2 Button on the back of the Remote Controller TWICE. The GC1146C will bleep ONCE with each press.
- d. Press the programming button on the GC779G Motion sensor ONCE (See Fig.4). The GC1146C will bleep FIVE times to indicate that the program has been accepted.
- e. 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.
- f. If the Awning does not retract, repeat steps a. to d.
- g. 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 on the awning lead rail as previously instructed.

When the Motion sensor has been correctly mounted on the awning it can be tested by extending the awning about 3' and then lift and drop the lead rail about 12", the awning should retract.

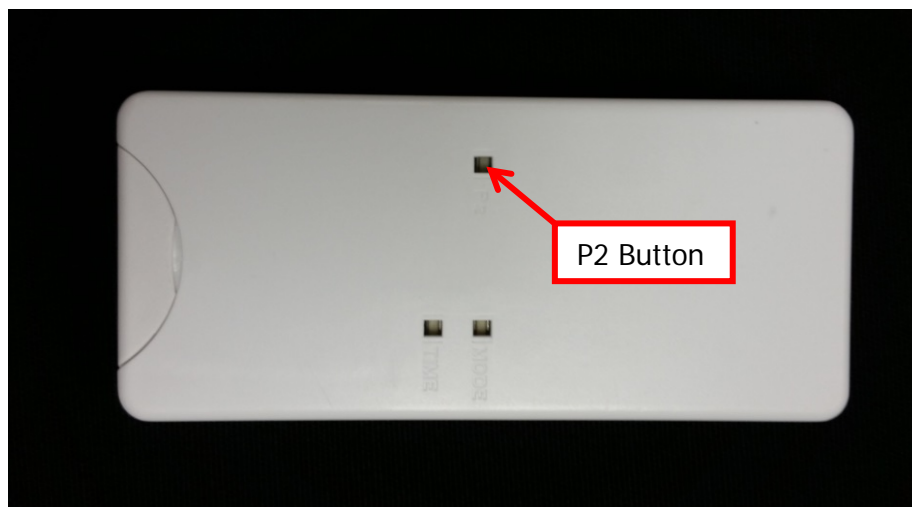
## Pair with 98GC74 AC Motor Controller



Identify the hand held remote Handset which operates the Motor controller for the awning on which the motion sensor is to be mounted. This is likely to be either a GC104 Single channel, or a GC105A/106/107 Multi-channel handset.

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

Locate the P2 Button on the back of the handset.



Familiarize yourself with the buttons and switches indicated in these illustrations. Next, prepare the motion sensor for pairing as described on pages 8 & 9.



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**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.**

- a. Set the Motion sensor Adjustment Dial to 0.( See page 9 Fig 4)
- b. 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.
- c. Using an appropriate tool, press the P2 Button on the back of the Remote Controller TWICE. The 98GC74 will bleep ONCE with each press.
- d. Press the programming button on the GC779G Motion sensor ONCE (See Fig.4). The 98GC74 will bleep several times to indicate that the program has been accepted.
- e. 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.
- f. If the Awning does not retract, repeat steps a. to d.
- g. 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.



---

# **Programming to a Remote Motor**

## **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 REMOTE MOTOR to a Remote Module. ( Handset or Switch)**

- a. Supply power to the **REMOTE MOTOR**: a soft beep will be emitted by the RF receiver in the unit.
- b. Press the P2 button on the back of the Remote twice (A beep will be emitted by the RF receiver with each press)
- c. Press the **DOWN** button on the Remote and verify that the motor is responding correctly. If the motor turns in the opposite direction (up), repeat a. and b. and finish the process by pressing the **UP** button.

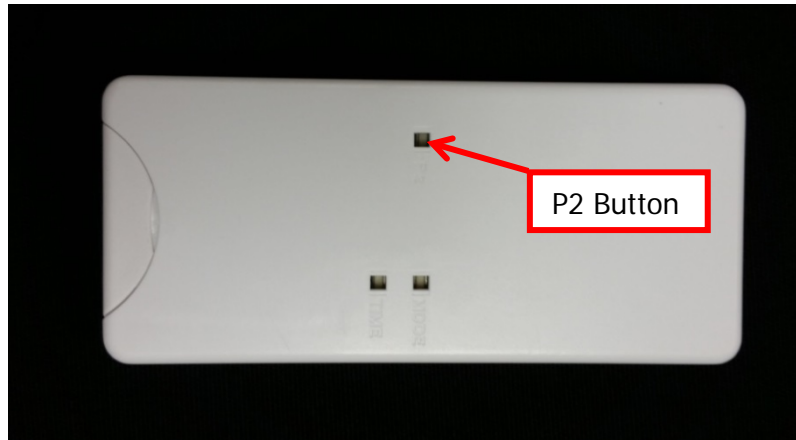
### **2. Programming the REMOTE MOTOR to an additional Remote module**

- a. **Do not turn off the power to the REMOTE MOTOR (If you do you will delete the previous remote!)**
- b. Press the P2 button on the back of the first Remote **twice** (A beep will be emitted by the RF receiver with each press)
- c. Press the P2 button on the back of the additional Remote **once** (A beep will be emitted by the RF receiver)
- d. Press the **UP** or **DOWN** button on the Remote to verify that the unit is programmed.

### **3. Programming the Remote motor to a Motion sensor**

- a. Identify the hand held remote Handset which operates the Remote Motor for the awning on which the motion sensor is to be mounted.
- b. Fully extend the awning to ensure smooth operation, and then retract the awning leaving it partially open (about 3 feet).

- c. Locate the P2 Button on the back of the handset.



- d. Familiarize yourself with the buttons and switches indicated in these illustrations.
- e. Next, prepare the motion sensor for pairing as described on pages 8 & 9.

**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.**

- h. Set the Motion sensor Adjustment Dial to 0. (See page 9 Fig.4).
- i. 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.
- j. Using an appropriate tool, press the P2 Button on the back of the Remote Controller TWICE. The Remote motor will bleep ONCE with each press.
- k. Press the programming button on the GC779G Motion sensor ONCE (See Fig.4). The Remote motor will bleep FIVE times to indicate that the program has been accepted.
- l. 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.
- m. If the Awning does not retract, repeat steps a. to d.
- n. Set the Adjustment Dial to the desired sensitivity level 1 to 5. **Never set higher than 5.** (The factory setting is 3).





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

When the Motion sensor has been correctly mounted on the awning it can be tested by extending the awning about 3' and then lift and drop the lead rail about 12", the awning should retract.

#### 4. Cancel a Remote

- a. Supply power to the **REMOTE MOTOR**: a soft beep will be emitted by the RF receiver in the unit.
- b. Press the P2 button on the back of the Remote **twice** (A beep will be emitted by the RF receiver with each press)
- c. Press the **STOP** button of the Remote once.
- d. Press the P2 button of the Remote. Three beeps will be emitted by the RF receiver.

#### 5. Program "Continuous" or "Step" mode of operation

- a. Supply power to the **REMOTE MOTOR**
- b. Press the P2 button on the Remote
- c. Press the **UP** button of the **REMOTE MOTOR**.
- d. Press the P2 button on the Remote.

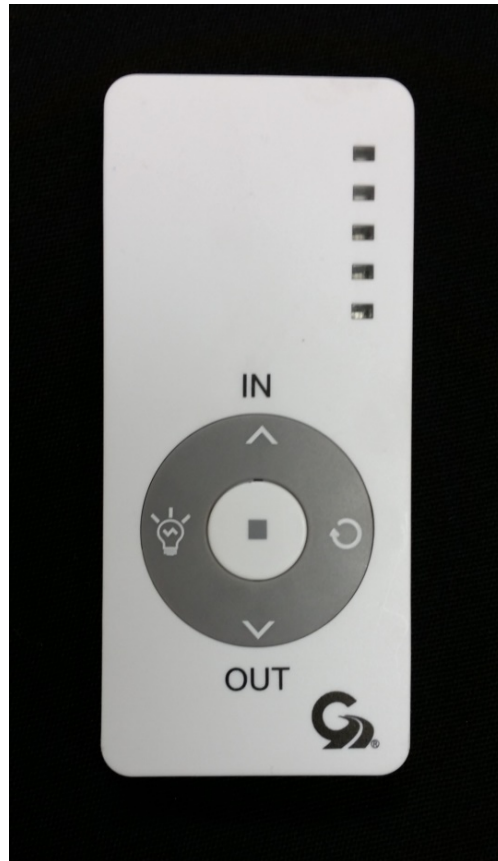
For queries or assistance with programming any of your G-Link devices please call Girard Systems TOLL FREE on 800-382-8442 between 7:30am and 3:30pm P.S.T.

# 5-CHANNEL REMOTE HANDSET

98GC1029

PROGRAMMING GUIDE

REV.07242015



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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.



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## 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 98GC1029 remote handset is a 5-channel RF transmitter, powered by a single 3v Lithium battery (CR2430) designed to control up to 5 awnings and operate the LED lighting strips by means of a multi-functional circular control pad. As shown in Fig.1 below..

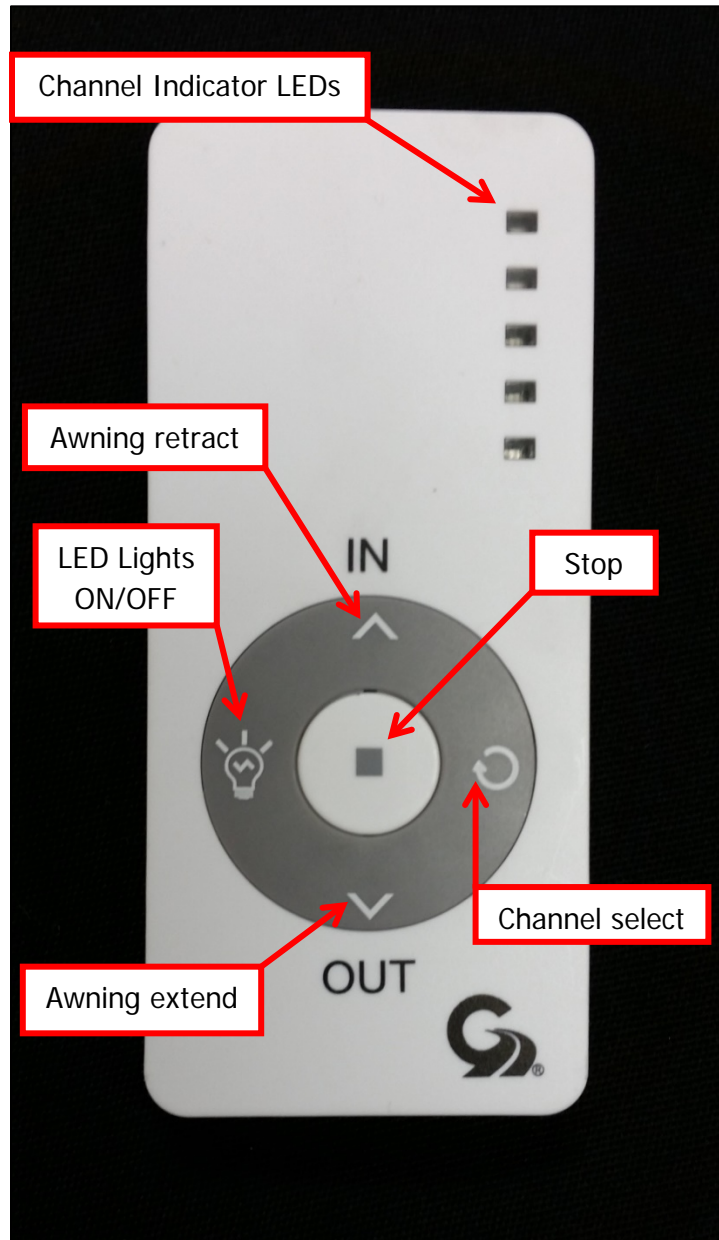


Fig.1



Turn the remote handset over to find;

- The Battery compartment, (into which a single CR2430 3v Lithium battery should be inserted as shown)
- The P2 button (used when pairing the device to some other G-Link Modules)
- Time button (Not used)
- Mode button (Not used)

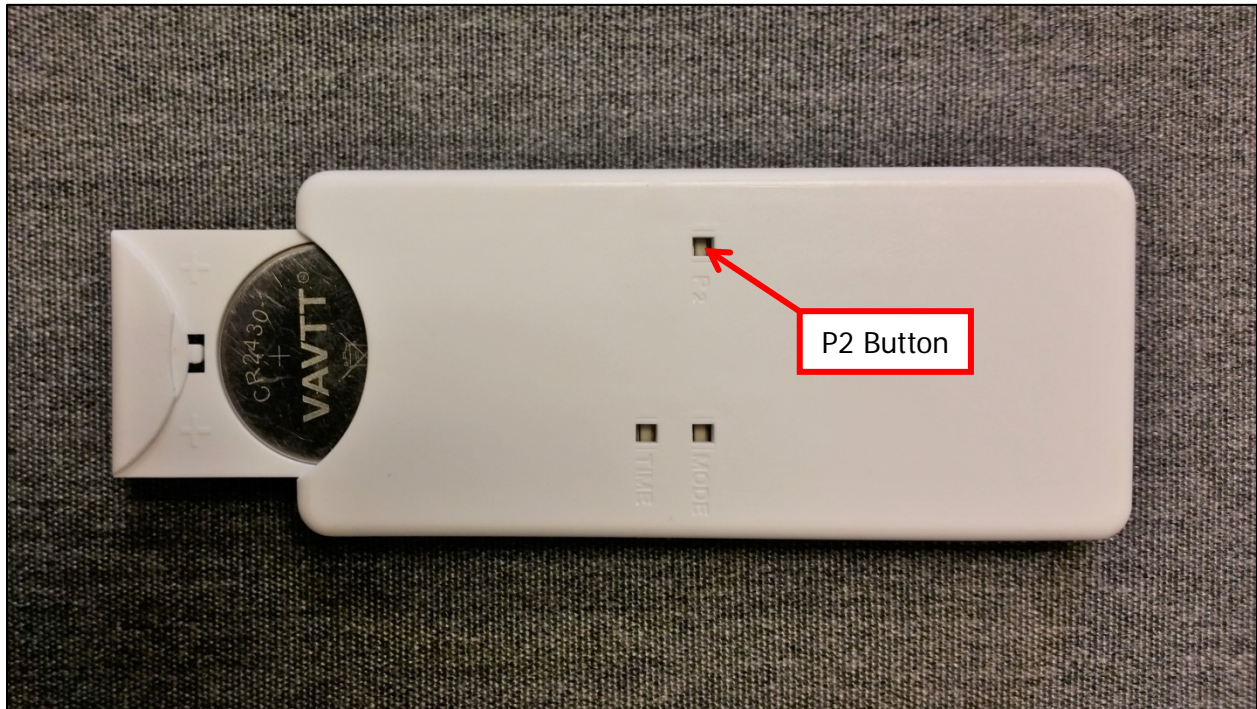


Fig.2

Please ensure that when the handset is being paired to another device that the correct channel is selected and that only one device is paired to each channel.

## PROGRAMMING

The following pages give instructions of how to Program or electronically Pair the handset with various motor controllers. Ensure that you select the correct set of instructions for the motor controller on your vehicle.

### GC136 AC Motor Controller



Fig.1



Fig.2

To pair the Remote handset with a GC136 Motor controller, follow the steps below.

**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.**

- 1) Ensure that there is power supplied to the Motor controller.
- 2) Using an appropriate tool press the Program button on the Motor controller. See Fig.1 (The Green LED will start blinking)
- 3) Press the STOP button on the Motor Controller. See Fig.2 ( The Green LED will remain ON)
- 4) Select the desired channel on the remote handset
- 5) Press the IN button on the remote handset. (The Green LED will extinguish)
- 6) Press the OUT, STOP and IN buttons on the handset to ensure that the Modules have been successfully paired.

## GC274A / GC274B AC motor Controllers

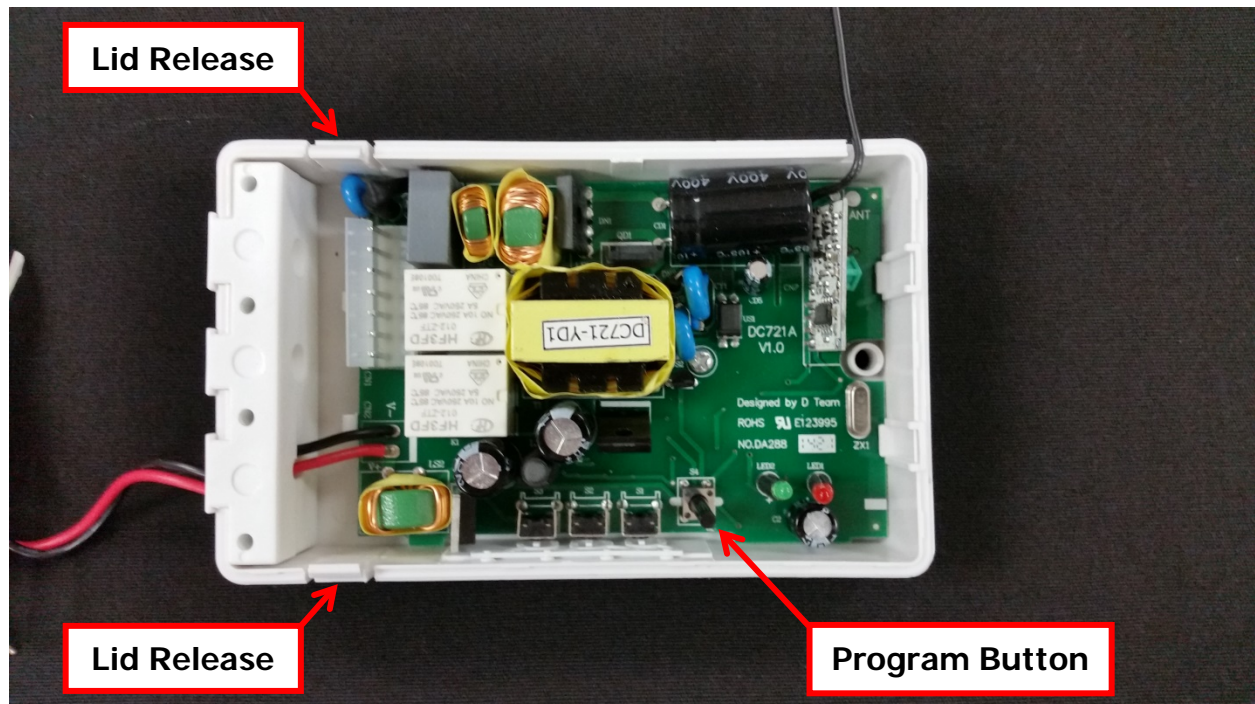


Fig.3

To pair the Remote handset with a GC274A or GC274B, first remove the lid of the motor control module by pressing on the Lid release catches as shown in Fig.3

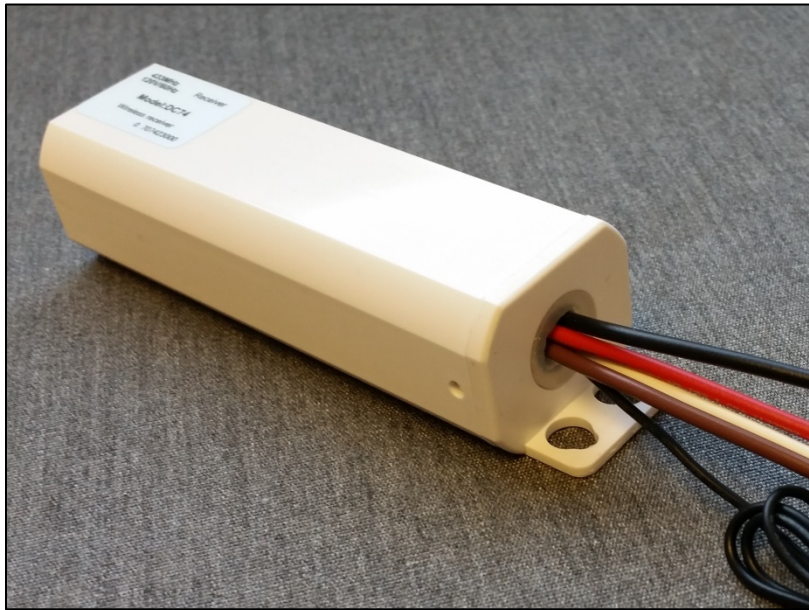
**Note; when carrying out this part of the procedure each step must be executed within 10 seconds of the previous one or the module will revert to factory settings. It is highly recommended that you read and understand the following sequence before attempting to execute it.**

- 1) Ensure that there is power supplied to the Motor controller.
- 2) Press the Program button on the Motor controller. (The Green LED will start blinking)
- 3) Press the STOP button on the Motor Controller. ( The Green LED will remain ON)
- 4) Select the desired channel on the remote handset.
- 5) Press the IN button on the remote handset. (The Green LED will extinguish)
- 6) Press the OUT, STOP and IN buttons alternately on the handset to ensure that the Modules have been successfully paired.





## **98GC74 AC Motor Controller**



When pairing with the 98GC74 it is advised that the awning to be controlled is manually extended couple of feet to enable the programmer to see if the awning is responding in the correct direction when the buttons on the remote handset are pressed.

**The programming window for this module is only 6 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) Select the desired channel on the Remote Handset.
- 3) Press the P2 button on the Remote Handset TWICE. (The motor controller will beep with each press)
- 4) Press the IN button on the Remote 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 to 3 above then press the OUT button on the Remote handset to complete the programming procedure.

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

## GC732G DC Motor Controller

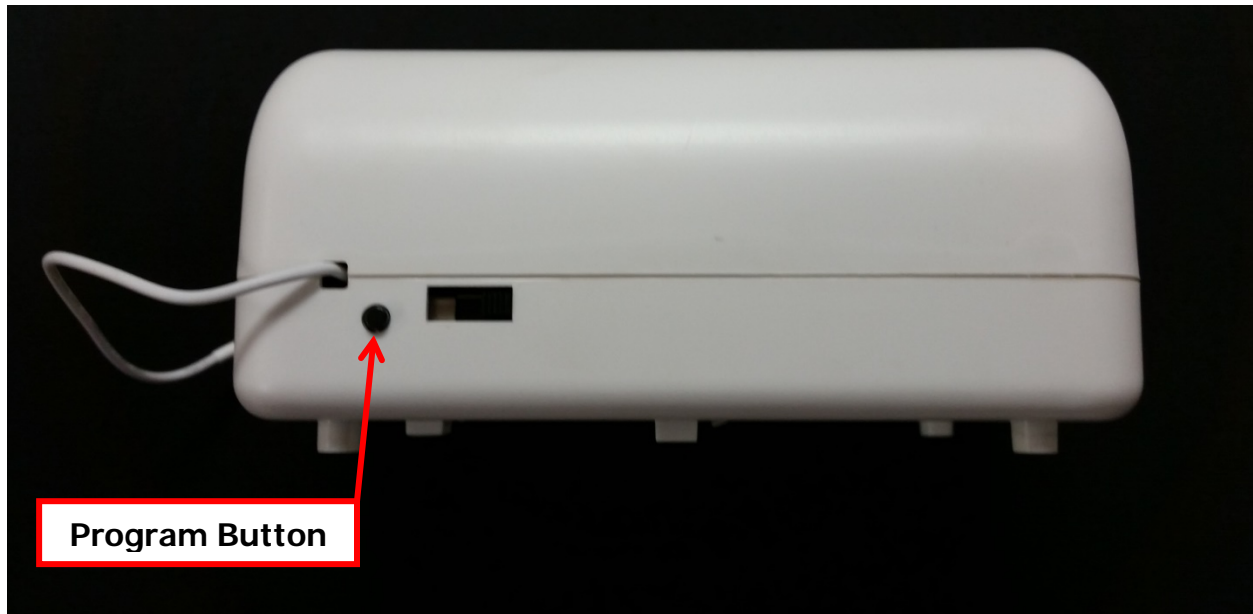


Fig.4

To pair the Remote handset with a GC732G Motor controller, follow the steps below.

**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.**

- 1) Ensure that there is power supplied to the Motor controller.
- 2) Press the Program button on the Motor controller. (The Red LED will start blinking)
- 3) Press the STOP button on the Motor Controller. ( The Red LED will remain ON)
- 4) Select the desired channel on the remote handset.
- 5) Press the IN button on the handset. (The Red LED will extinguish)
- 6) Press the OUT, STOP and IN buttons alternately on the handset to ensure that the Modules have been successfully paired.



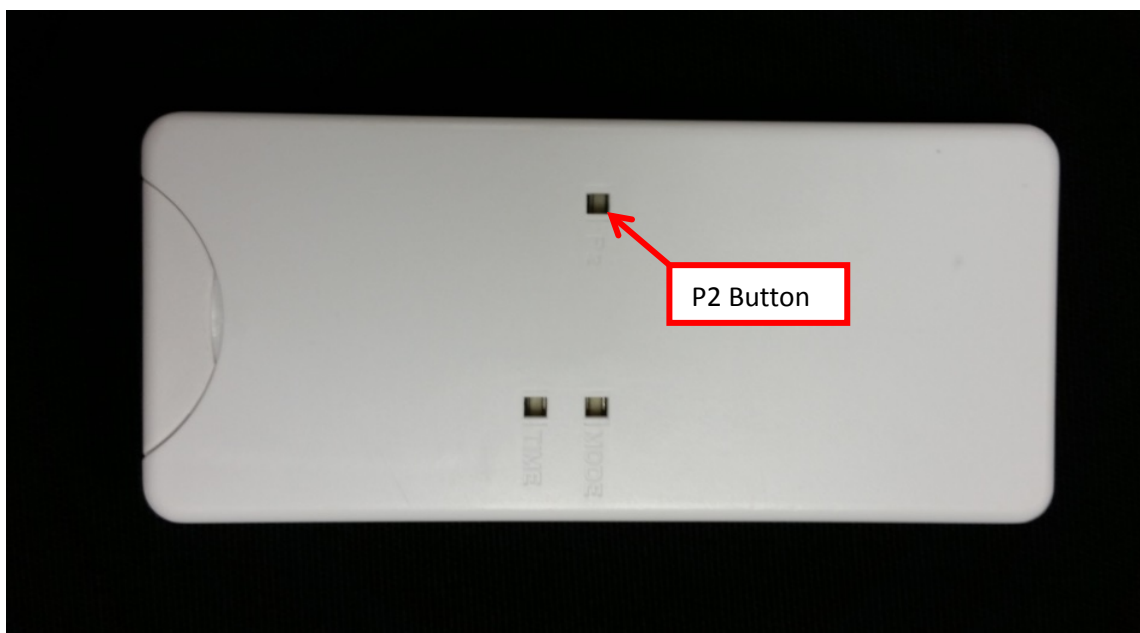


## GC1146C DC Motor Controller



To pair the Remote handset with a GC1146C Motor controller, follow the steps below.

- Fully extend the awning to ensure smooth operation, and then retract the awning leaving it partially open (about 3 feet).
- Locate the P2 Button on the back of the handset.





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**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.**

- 1) Supply power to the Motor controller. (The GC1146C will emit a soft beep)
- 2) Select the desired channel on the remote handset.
- 3) Using an appropriate tool press the P2 button on the back of the Handset TWICE. ( The GC1146C will Beep with each press)
- 4) Press the IN button on the wall switch and verify that the awning moves in the desired direction.

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, 2 and 3 above then press the OUT button on the wall switch to complete the programming procedure.

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

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.

# 5 CHANNEL WALL SWITCH

98GC661B

INSTALLATION AND PAIRING GUIDE

REV.07242015



  
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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.

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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.)

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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.



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## **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 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 98GC661B is a 5 channel RF transmitter, powered by two 3v Lithium batteries (CR2032) designed to control a single awning by means of a 6 button control pad as seen in the picture below.



The faceplate can be removed easily by holding the module at the left and right edges firmly in one hand and push the STOP and P2 buttons with two fingers of your other hand. The picture below shows how the batteries must be inserted.



## SETTING TIME AND DATE

The 98GC661B not only controls the awning but functions as a 24 hour clock and a 7 day calendar.



When the battery tray is inserted the display will light up as in the photograph above, then it will default to Mon 10:00. Replace the faceplate, then;

- 1) Press and hold the CH button until the hour starts to flash.



- 2) Set the hour using the IN and OUT buttons.
- 3) Press the CH button once and the minute will start to flash.
- 4) Set the minutes using the IN and OUT buttons.
- 5) Press the CH button once and the day will begin to flash.
- 6) Set the day using the IN and OUT buttons.
- 7) Press and hold the CH button until the selected time and day are displayed but NOTHING is flashing.
- 8) Press the CH button one final time and the : between the hours and minutes will begin to flash, this indicates that the clock is set and running.

## **INSTALLATION**

The screw holes indicated in the picture on page 5 are the only ones to be used when mounting the module. Do NOT drill any other holes in this module as this will damage the circuit board and render the module useless. Screws are provided with the module for this purpose. The 98GC661B has an operating range of 100' but should be mounted with as few obstructions as possible between itself and the Motor Controller it is paired with.

## PROGRAMMING

The following pages give instructions of how to pair the 98GC661B with various motor controllers. Ensure that you select the correct set of instructions for the motor controller on your vehicle.

### GC136 AC Motor Controller



Fig.1



Fig.2

To pair the 98GC661B Wall switch with a GC136 Motor controller follow the steps below.

**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.**

- 1) Ensure that there is power supplied to the Motor controller.
- 2) Using an appropriate tool press the Program button on the Motor controller. See Fig.1 (The Green LED will start blinking)
- 3) Press the STOP button on the Motor Controller. See Fig.2 ( The Green LED will remain ON)
- 4) Select the desired channel on the wall switch.
- 5) Press the IN button on the Wall switch. (The Green LED will extinguish)
- 6) Press the OUT, STOP and IN buttons on the wall switch to ensure that the Modules have been successfully paired.



## GC274A / GC274B AC motor Controllers

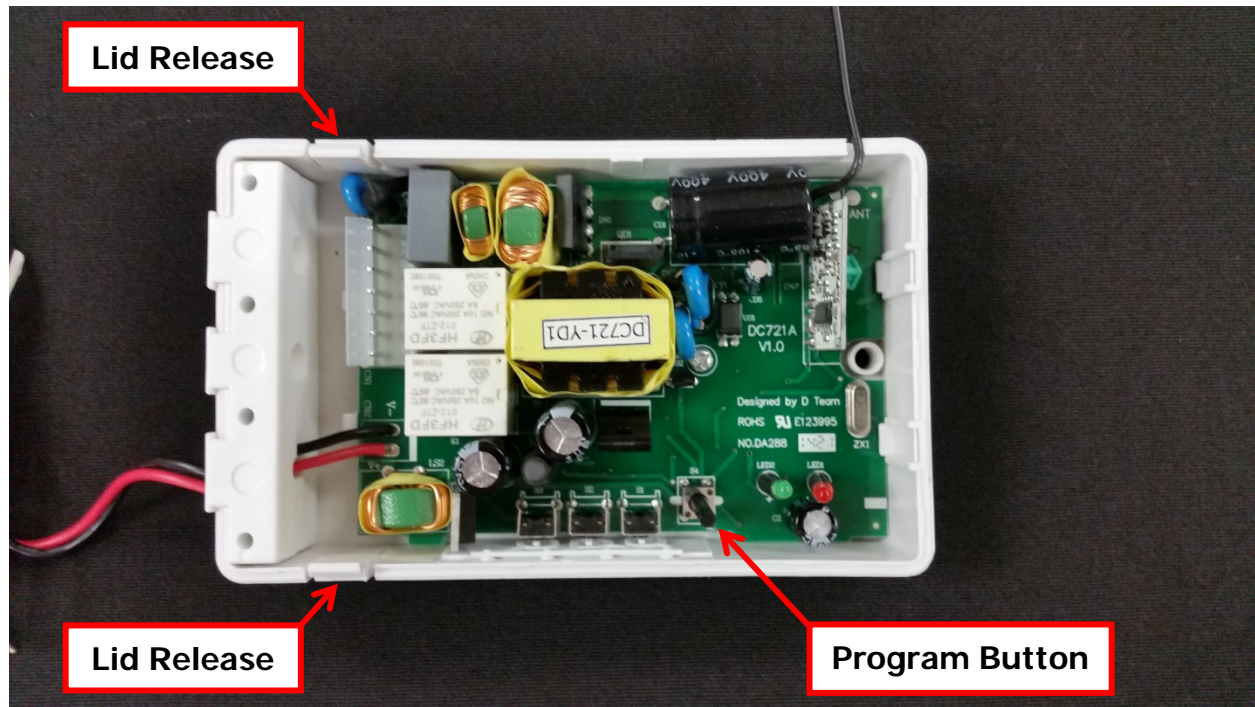


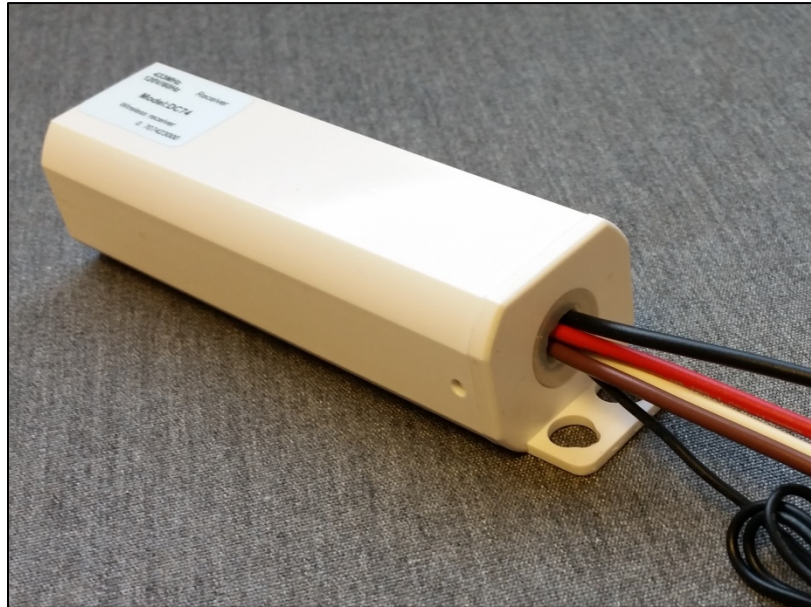
Fig.3

To pair the 98GC661B Wall Switch with a GC274A or GC274B first remove the lid of the motor control module by pressing on the Lid release catches as shown in Fig.3

**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.**

- 1) Ensure that there is power supplied to the Motor controller.
- 2) Press the Program button on the Motor controller. (The Green LED will start blinking)
- 3) Press the STOP button on the Motor Controller. ( The Green LED will remain ON)
- 4) Select the desired channel on the wall switch.
- 5) Press the IN button on the Wall switch. (The Green LED will extinguish)
- 6) Press the OUT, STOP and IN buttons alternately on the wall switch to ensure that the Modules have been successfully paired.

## **98GC74 AC Motor Controller**



When pairing with the 98GC74 it is advised that the awning to be controlled is manually extended couple of feet to enable the programmer to see if the awning is responding in the correct direction when the buttons on the wall switch are pressed.

**The programming window for this module is only 6 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 wall switch TWICE. (The motor controller will beep with each press)
- 3) Select the desired channel on the wall switch.
- 4) Press the IN button on the wall switch. (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 wall switch to complete the programming procedure.

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



## GC732G DC Motor Controller

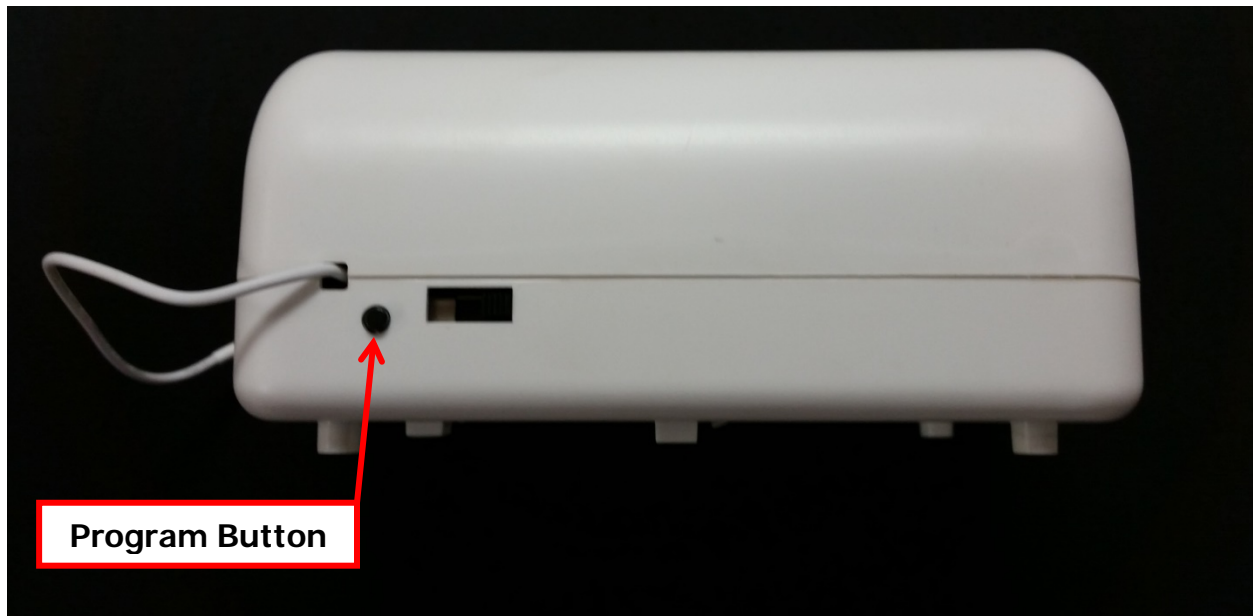


Fig.4

To pair the 98GC661B Wall switch with a GC732G Motor controller follow the steps below.

**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.**

- 1) Ensure that there is power supplied to the Motor controller.
- 2) Press the Program button on the Motor controller. (The Red LED will start blinking)
- 3) Press the STOP button on the Motor Controller. ( The Red LED will remain ON)
- 4) Select the desired channel on the wall switch.
- 5) Press the IN button on the Wall switch. (The Red LED will extinguish)

Press the OUT, STOP and IN buttons alternately on the wall switch to ensure that the Modules have been successfully paired.

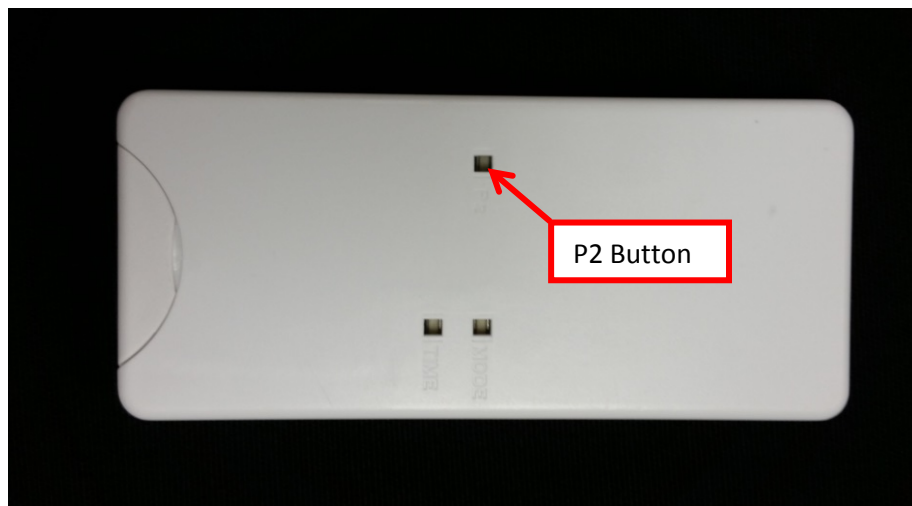


## GC1146C DC Motor Controller



To pair the 98GC661B Wall switch with a GC1146C Motor controller follow the steps below.

- Identify the Remote handset which operates the DC Motor controller for the awning that the wall switch is to operate. This is likely to be either a 98GC1063 Single channel, or a 98GC1029 Multi channel handset.
- Fully extend the awning to ensure smooth operation, and then retract the awning leaving it partially open (about 3 feet).
- Locate the P2 Button on the back of the handset.





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**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.**

- 1) Supply power to the Motor controller. (The GC1146C will emit a soft beep)
- 2) Using an appropriate tool press the P2 button on the back of the Handset TWICE. ( The GC1146C will Beep with each press)
- 3) Select the desired channel on the wall switch.
- 4) Press the P2 button on the wall switch ONCE (The GC1146C will beep again)
- 5) Press the IN button on the wall switch and verify that the awning moves in the desired direction.

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, 2 and 3 above then press the OUT button on the wall switch to complete the programming procedure.

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

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.