



# GAMA Electronics, Inc.

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## RF24V-PRWP

This receiver is a 340 MHz polarity reversing remote control. It is intended to be used in conjunction with the KF340-3 Transmitter. The receiver can be configured for either momentary or latching operation. The unit operates from 24-volts DC and provides a 24-volts DC polarity reversing output. A third auxiliary relay provides a contact closure. All of the electronic components are encapsulated so the receiver is capable of being operated in harsh environments.

**Operating Temperature Range.** 0° F to 160° F

**Maximum Ratings.** Power for the receiver can be in the range of 21 to 28 Volts DC. It is recommended that a 24-volt deep cycle marine battery be used to power the receiver. The receiver is reverse polarity protected.

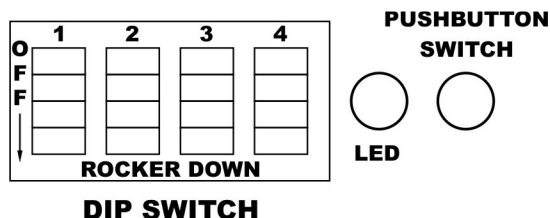
**Power Consumption.** 10 Milliamperes when the relay is de-energized. 45 Milliamperes when the relay is energized.

**Input/output Connections.** 24-Volts DC input power connects to the terminals marked "24V" and "GND" on the top panel of the receiver. The two white wires provide a set of dry contact closures using the ON/OFF switch position on the transmitter.

**Dimensions.** Receiver dimensions are 5.0"W x 5.0"D x 1.5"H. The receiver weighs 1.0 lb.

**Programming Instructions.** Each transmitter has its own unique internal address along with the data as to which button is pressed and transmitted. The receiver needs to be programmed to respond only to the specific transmitter it is intended to operate with. The following steps configure the receiver to operate with a particular transmitter. Up to 30 transmitters can be programmed to one receiver. Please read the entire programming procedure before starting. Prior to programming the receiver, verify that the receiver is connected to the input power. When the receiver enters program mode, all previous transmitter addresses that were programmed will be erased from the receiver's memory.

1. Locate the pushbutton labeled "PROGRAM" on the receiver. Press and hold this button until the red LED next to the program button illuminates (approximately 3 seconds). The receiver is now in the transmitter program mode. Release the button. At this point all previously programmed transmitter addresses are erased from the receiver's memory.
2. Press and release any switch on the transmitter. The red LED on the receiver extinguishes and then illuminates (blinks once).
3. Repeat previous step for additional transmitter switches that you desire this receiver to respond to. The red LED on the receiver will blink each time a new switch is pressed.
4. The receiver will return to normal mode if no transmitter buttons are pressed for 5-seconds. The red LED on the receiver will blink rapidly, then extinguish. The receiver is now in the normal mode of operation. This completes the programming instructions. The receiver will retain all of its programming even when power is removed.



### DIP Switch Settings

Switches Up= Latching mode

Switches Down = Momentary mode

Turning any of the 4 DIP switches to the ON position enables the corresponding latching function. Pressing the transmitter button once will energize the relay output. Pressing the same button a second time will de-energize the relay output. If the DIP switches are in the OFF position, the corresponding relay will have a momentary function. In this mode, the relays are energized for as long as the transmitter button is depressed.