

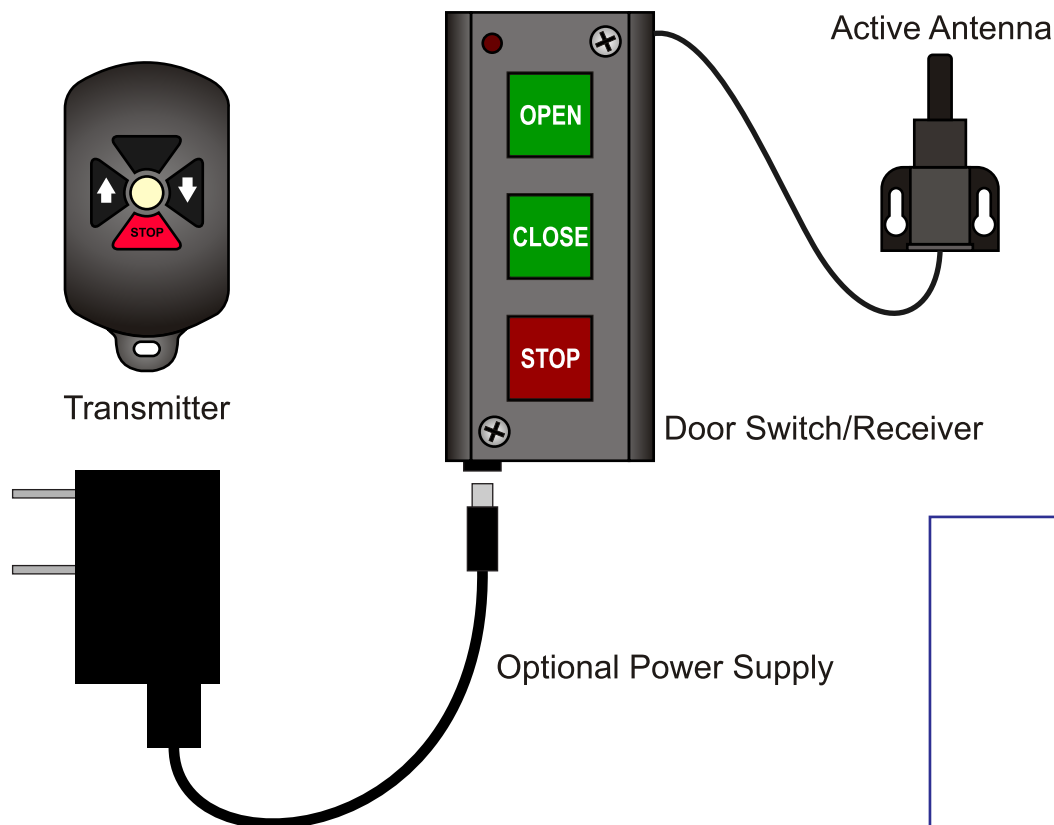
GAMA ELECTRONICS



PB3-DRC

Instruction Manual

Items Included In The Box



Mode Selection

The PB3-REMOTE can be configured for external power mode or self power mode.

***NOTE: The PB3-REMOTE ships from the factory in external power mode.**

Self Powered Mode:

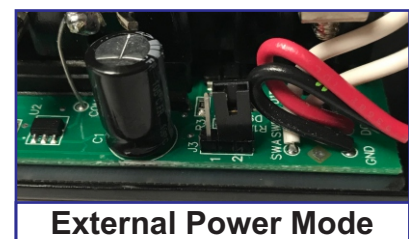
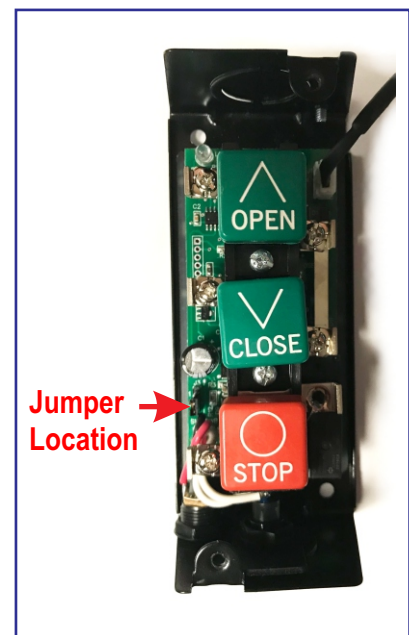
Self Powered Mode can be used if your door supplies the 24VAC required to power the PB3-REMOTE. Most older commercial doors supply 24VAC. Newer doors function on logic systems and do not supply the 24VAC required to operate the system. If you do not have the 24VAC supply on your door you will need to use External Power Mode.

External Power Mode:

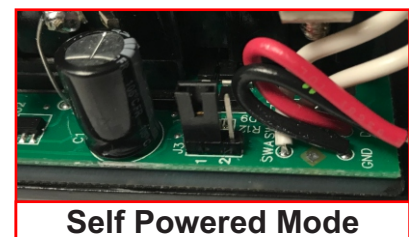
External power mode can be used on any commercial overhead door system. The PB3-REMOTE will connect to your existing wiring. The station is powered by the external power supply that is included with the assembly. Connect the jack end of the power supply to the power jack on the bottom of the PB3-REMOTE and plug the other end into a standard 120V AC outlet.

Selecting operating mode:

Inside the case there is a jumper connection located to the left of the STOP switch. The jumper connects the center pin of a 3-position header to one of the outside header pins. See the images to the right for proper jumper orientation. Note that the unit ships in EXTERNAL power mode. You should only need to change this jumper if you are using SELF powered mode.



External Power Mode



Self Powered Mode

Overview:

The PB3-REMOTE is a RF remote control operating at a fixed frequency of 340 MHz. Most commercial overhead doors manufactured over the past 40 years operate on 24VAC power. On these doors, the PB3-REMOTE connects to the existing control station wiring. It does not require any additional electrical work. It allows you to remotely control the "OPEN", "CLOSE" and "STOP" functions while still allowing manual push-button operation. The small waterproof antenna is plugged into the new door switch and can be mounted either outdoors or indoors depending on the range needed. With the antenna mounted outdoors the operating range is approximately 500-feet; 100-foot operating range is typical for an indoor mounted antenna.

Operating Temperature Range: - 0°F to 160°F.

Installation Instructions

The Door Switch/Receiver and Active Antenna are a direct replacement for the existing door switch, and uses the voltage from the door opener so no external power source is required. A YouTube video showing the complete installation is available on our website at <http://www.gamainc.com/pb3remote>.

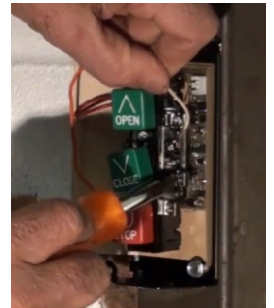
Perform the following steps to install the Door Switch/Receiver and Active Antenna.

1. Remove the metal shroud from the existing door switch. Document the colored wires terminated to each of the 3 switches.

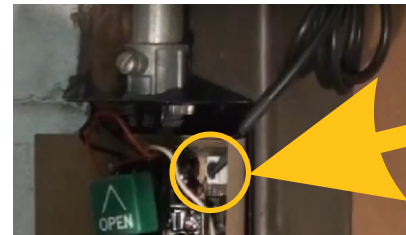


2. Install the new door switch/receiver to the same location on the wall. Install the wires to the 3 switches from which they were removed in Step 1.

Note: The new door switch/receiver has a LED light pipe on the metal shroud, dress the wires going to the switches so they do not interfere with the position of the LED light pipe.



3. Install the Connector from the active antenna wire to the mating connector on the door switch assembly. Position the active antenna housing to the location on the wall and install it with the appropriate screws for the wall surface.



4. Install the metal shroud to the switch assembly. This completes the installation of the door switch/receiver and antenna.



Programming Instructions:

The door switch/receiver and active antenna must be installed to the door opener prior to programming the transmitters.

1. Locate the red LED at the top left of the OPEN switch.
2. Press and hold the program switch until the front panel LED illuminates, and then release the program switch.
3. Within 5-seconds of activating the red LED, press and release any switch on the first transmitter to be programmed, the front panel red LED will turn OFF then back ON (blink) to confirm that the transmitter is paired with the receiver.

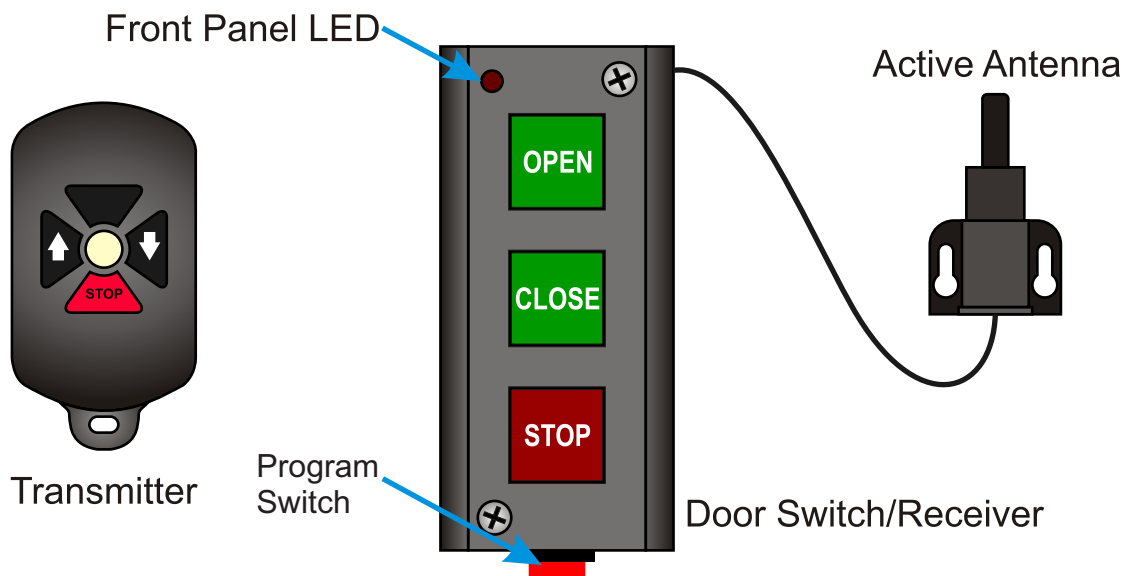
Note: If programming multiple transmitters to the same receiver within 5-seconds press and release a switch on the next transmitter to be programmed, the LED will blink again. Continue pressing a switch on each transmitter to be programmed with the door switch/receiver.

4. After 5-seconds of no switch being pressed on a transmitter the red LED will blink rapidly and then turn off. The door switch/receiver is now in the normal mode of operation. Confirm that the transmitters are programmed by activating a switch on each transmitter and confirm that the door switch/receiver activates the output.
5. To add additional transmitters to the system after the initial programming repeat steps 1-4.

To erase the receivers memory:

****WARNING: THIS WILL RESTORE THE CONTROL TO THE ORIGINAL FACTORY SETTINGS AND ALL REMOTES WILL NEED TO BE REPROGRAMMED****

1. Press and hold the program switch until the front panel LED illuminates.
2. Release the program switch and immediately press and hold the program switch a second time. The LED will start blinking and then blink very rapidly. Once the LED begins blinking rapidly, release the program switch. The door switch/receiver memory is now clear.



Available Accessories



Part Number: KF340-DRC-WP

Additional Waterproof Transmitter

\$19.95

Program up to 12 keyfob transmitters with each door switch/ receiver



Part Number: KF340-DRC-99

Multi-Door Transmitter

\$29.95

Operate up to 99 doors on a single transmitter. Simply select the desired door number on the 2 digit display and your transmitter will control the corresponding door.



Part Number: KP340-DRC

Wireless Outdoor Keypad

\$29.95

Add keyed outdoor access to your overhead door system with this waterproof wireless keypad.



Part Number: GKF-WPTX-DRC

Rechargeable Transmitter

\$75.00

Ideal for installations where the overhead door is used many times per day. The transmitter can be recharged via USB when the batteries are low.

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