

**Included in this Kit:**

- (1) RF340-DRC Receiver**
- (1) 3-Button Transmitter**
- (1) Long Range Antenna LRA340 \*\*See PAGE 3 FOR SETUP\*\***
- (1) 12VDC Wall Mount Power Supply**

**Available accessories:**

- Wireless Outdoor Keypad KP340-DRC**
- 3-Button Waterproof Transmitter KF340-DRC-WP**
- 12-Button Transmitter RFT340-12DC-MB**
- 12VDC Wall Mount Power Supply EPS120050**
- Multi-Door Transmitter KF340-DRC-99**
- Rechargeable Transmitter GKF-WPTX-DRC**



The RF340-DRC is an RF receiver operating at a fixed frequency of 340 MHZ. It connects to existing industrial overhead doors to provide remote control operation of the up, down and stop functions. The control connects directly to the 3-button operator control switch which will continue to function normally. The small, waterproof antenna can be mounted either indoors or outdoors. With the antenna mounted outdoors, you can expect range of up to 500 feet. 100 foot range is typical for an indoor mounted antenna.

**Operating temperature range:** 0°F to 160°F.

**Power consumption:** 10mA when the relays are de-energized. 45mA when the relay is energized

**Installation:** Locate the control close to the operator switch. Route the wires from the control to the switch and connect the Up and Down leads to the terminals. For the Stop switch, disconnect the wire from the left screw terminal. Attach either the red or orange wire to this terminal. Join the remaining lead (red or orange) to the wire previously disconnected from the terminal using the supplied wire nut. Connect the plug-in power supply and the control is ready to be programmed.

## **Programming Instructions**

Each keyfob transmitter has its own unique internal address that is transmitted whenever a button on the keyfob is pressed. The receiver needs to be programmed to respond only to keyfob transmitters it is intended to operate with. The following steps configure the receiver to operate with a keyfob transmitter(s). Up to 40 keyfob 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.

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.
2. Press and release any switch on the keyfob transmitter and verify that the red LED on the receiver extinguishes and then illuminates (blinks once).
3. Repeat previous step for additional key fob transmitters that will operate with this receiver. The receiver will not respond to transmitters that have already been programmed.
4. After 5-seconds of no switch being pressed on the transmitter(s) the receiver will return to normal operation. 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 the programming even when power is removed.
5. To add additional transmitters to the system after the initial programming, repeat Steps 1 through 4.

To erase the receiver's memory of programmed transmitters, perform Steps 6 and 7.

**Warning, this will restore the receiver to the original factory settings with no transmitters programmed.**

6. Press and hold the program switch until the front panel LED illuminates.
7. Release the program switch and immediately press and hold the program switch a second time. The LED will start blinking rapidly, then release the program switch. The receiver's memory is now cleared.

## **Troubleshooting**

All remote-control systems shipped by GAMA Electronics are 100% functionally tested just prior to shipment.

If your RF remote control system does not work out of the box, stops working or functions intermittently please take the following steps to resolve common issues. Please note that you must be 2-3 feet away from the receiver when operating the remote control. Operating within 2-3 feet may result in no operation or intermittent operation.

### **1. Replace the A23 12V Battery in the transmitter**

- The remote control can activate during shipping and drain the battery that is installed in the control. We send a replacement battery with the system if this occurs.

### **2. Check the voltage supply at the receiver**

- The receiver is designed to function at 110VAC. Voltage on the (+) and (-) terminals on the control should be within this range.

### **3. Reprogram the remote control**

- If the system is non-functional try to reprogram the remote control. The program may not have taken during the programming process or the program button may have been pressed. If the program button is pressed the memory of the remote controls programed to the receiver are erased.

### **4. Listen and look for functionality on the receiver.**

- The LED that is used for programming the system will illuminate when the receiver is activated. You will also hear a “click” when the internal relays engage. If you can see the LED illuminate and you hear the relay “click” the issue is most likely in the wiring or device being controlled.

