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RF120V-MB

This receiver is a 340 MHz AC motor control and is used in conjunction with the KF340-12 Transmitter. The unit operates on 120 VAC and provides one 120 VAC output. The receiver can be configured for either momentary or latching operation.

All of the electronic components are encapsulated so the receiver is capable of being operated in harsh environments. The receiver can be set up to respond to any switch or switches on any KF340-12 transmitter. Up to 42 switches can be stored in the receiver's memory.

The desired switches are programmed into the receiver's memory during the programming. Each transmitter has a unique address that is transmitted along with the switch number when a transmitter switch is pressed.

The receiver is housed in a NEMA-4 enclosure and encapsulated in a urethane potting compound for weatherproofing. The receiver and transmitter have an operating range of at least 100-feet. Input/output wiring is terminated to a 4-position terminal block in the receiver.

Latching or Momentary Operation. When the receiver is configured for the latching mode the relay will toggle ON and OFF each time a programmed transmitter switch is pressed. When the receiver is configured for momentary mode the relay will energize for as long as the transmitter switch is pressed.

Maximum Ratings. Input power to the receiver can be in the range of 90 to 132 VAC. The relay contacts are rated at 20-amperes at 120 VAC, 1 HP.

Programming Instructions.

Each transmitter has its own unique internal address along with the data as to which switch is pressed, which is transmitted when a switch is pressed. 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(s). Up to 42 transmitter switches 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 switch until the red LED next to the Program switch illuminates (approximately 3 seconds). The receiver is now in the program mode. Release the switch. At this point all previously programmed transmitter addresses are erased from the receiver's memory.
2. On the 12 button transmitter, press the desired switch you wish the receiver to respond to. The red LED on the receiver extinguishes and then illuminates (blinks once). Release the switch.
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. **Latching/Momentary.** If a transmitter switch is pressed that has already been programmed the receiver mode will change to "Latching" mode. If the same switch is pressed again, "momentary" mode will be selected again. The receiver will alternate between modes each time a programmed switch is pressed. When in the "latching" mode the LED will flicker as each new switch is programmed instead of blinking off then on.
5. The receiver will return to normal mode if no transmitter switches 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.