



Instructions for Model P294-2K & P294-3K

Please Note: During installation it would be advantageous to have handy:

- Garage door opener manual
- Volt meter
- Spare, short wire
- Flathead screw driver

The Heddolf Keystone Model P294-K universal receiver was designed to have several selectable options not found on other radio controls. By properly selecting these options with the convenient slide switches and wiring harness, the Model P294-K eliminates the requirement to stock several receivers.

1. The Model P294-K will operate on either 12 or 24 volt AC or DC by selecting either 24V or 12V with the voltage selection switch.
2. The Model P294-K will generate either a 0.5 second pulsed, or a continuous relay output depending on the setting of the output slide switch. To energize the output relay as long as the transmitter is activated, select the CONT position. To energize the output relay for 0.5 seconds regardless of how long the transmitter is activated, select the PULSED position. Many gate operators and some garage door operators will not work properly when the switch is in the CONT position.

Wiring Instructions

Green Wire: Antenna – does not attach to anything

Red Wire: +V power supply wire (when DC power is used, when AC it is a standard power wire and does not have an order)

Black Wire: -V power supply wire (when DC power is used, when AC it is a standard power wire and does not have an order)

Yellow Wire: Common wire

White Wire: Normally open

Orange Wire: *Normally closed – used in commercial applications – not applicable in most residential garage door opener situations*

1. Identify your system as 12v or 24v system. Can usually be found in the instruction manual or by calling the operators manufacturer. Set the first switch accordingly.
2. Most operators only function properly in pulsed. Set the second switch to PULSED unless the operator's manual specifies different. This sends a brief

- signal to the operator from the receiver no matter how long the user holds the transmitter's button.
3. Use your voltmeter to identify on the **opener terminal strip** which terminals have power. If your opener uses DC power hook the red wire to the positive and the black wire to the negative. If your opener uses AC power the red and black wires can be used in either order.
 4. Use the spare wire to create a connection between the 2nd and 3rd terminal, if this connection opens or closes the garage door you have found your common and normally open terminals. If this does not open the garage door than move to the 3rd and 4th terminal and connect them with the spare wire.
 5. Once you find the combination that opens and closes the door you have located the COMMON and N/O terminals. (Many times the COMMON terminal is the same as one of the power terminals) Attach the white wire to the first terminal in the set. (First meaning in a combination of 3rd and 4th terminal the first terminal in the set is the 3rd terminal) Attach the yellow wire to the second terminal in the set.

Coding Instructions

1. To program a transmitter to the first channel, Press SW1 and hold it while pressing the transmitter button. When the LED light flashes at a steady rate then release both buttons. This code will be stored in memory that is retained when power is turned off.
2. Program the others using the same method.
3. To program more than one transmitter to the same channel, set all nine dipswitches the same as the one that has already been learned. The ninth dip switch on dual and triple transmitters are the buttons. Be sure to use the same button that corresponds with the button or ninth dipswitch of the original transmitter.