

## TECHNICAL DATA

Range	30 feet
Power	12V to 24V AC/DC
Relay Contacts	5A @ 250V AC or 30V DC
Dimensions	4in. x 2in. x 1.5in.
Housing	Black PVC * <i>Not water tight*</i>
Connections	Transmitter 18in 2 conductor / receiver 18in 5 conductor 22 awg wire
<b>Note:</b> Not for use in applications requiring UL 325 compliance.	

## OPERATION THEORY

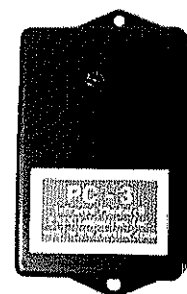
The PC-3 transmitter and receiver are mounted in line of site at a distance of up to 30 feet apart. When the infrared beam is interrupted, the relay common and normally closed contacts in the receiver are closed. The LED indicator is lit when the PC-3 receiver is not aligned or when the beam is interrupted.

## INSTALLATION INSTRUCTIONS

### TRANSMITTER

Connect the RED and BLACK wires to a 12V – 24V power supply. The power can be AC or DC. Polarity of the wires is not important.

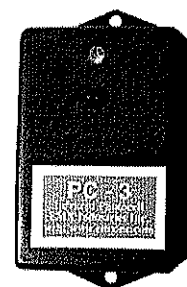
**Note:** Power fluctuations below 10V and above 30V may degrade the operation of the unit.



PC-3 TX

### RECEIVER

1. Connect the RED and BLACK wires to 12V – 24V power supply. The power can be AC or DC. Polarity of the wires is not important. **Note:** Power fluctuations below 10V and above 30V may degrade the operation of the unit.
2. WHITE wire is connected to the relay common contact.
3. GREEN wire is connected to the relay normally open contact.
4. BROWN or ORANGE wire is connected to the normally closed contact.



PC-3 RX

★ WHITE WIRE IS CONNECTED TO THE COMMON TERMINAL.

★ GREEN WIRE IS CONNECTED AS NEEDED TO EITHER THE "OPEN", "CLOSE" OR "SAFETY REVERSE" TERMINAL.

★ BROWN OR ORANGE WIRE IS USED ONLY WHEN A "NORMALLY CLOSED" CONTACT IS NEEDED PER MANUFACTURERS REQUIREMENTS I.E.: OVERHEAD DOOR CORPORATION COMMERCIAL OPERATORS. ETC.

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