

INFRARED MODULATED PHOTOCELL PC-3

PC-3

- LED alignment indicator simplifies installation.
- Supervised relay output provides an "open" signal in case of power failure.
- Non-reflective through-beam system is not affected by shiny surfaces.
- Modulated infrared beam is not affected by sunlight, rain, dust or dirt.
- No calibration or sensitivity adjustments are necessary .
- Wide detection angle of 24° simplifies installation and increases the reliability of operation.
- Indoor or outdoor operation of 30 feet.



APPLICATIONS

The PC-3 photocell is used as a safety device in conjunction with the automatic operator. The PC-3 will work with any control board that accepts dry contact in the safety input. This easy-to-install, cost effective photocell is used with garage doors and rolling doors. For sliding gates, swinging gates, and parking barriers the IRB-4X is recommended.

TECHNICAL DATA

The PC-3 transmitter and receiver are mounted in line of sight at a distance of up to 30 feet apart. When the infrared beam is interrupted, the relay common and normally open 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.

RANGE:	30 feet
POWER:	12V to 24V AC or DC
RELAY CONTACTS:	5A 250VAC 30VDC
DIMENSIONS:	4" x 2" x 1.5"
HOUSING:	Gray color NEMA 4X • Water tight

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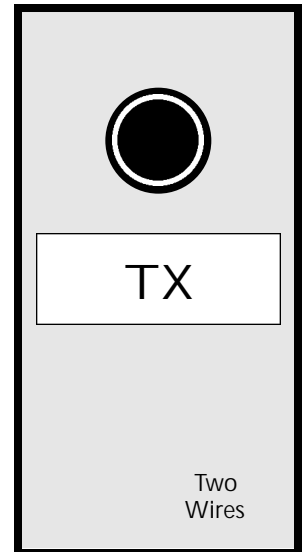
EMX
INDUSTRIES, INC.

INFRARED MODULATED PHOTOCELL PC-3

INSTALLATION INSTRUCTIONS

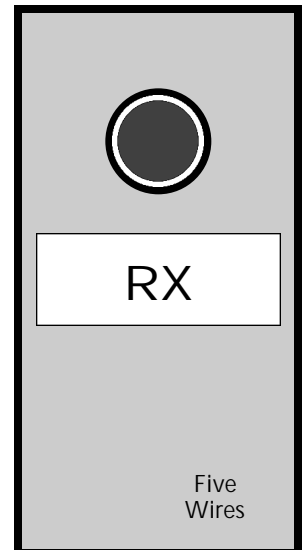
Transmitter

1. Connect the two wires in the jacketed wire to 12V to 24V power supply. The power can be AC or DC. Power fluctuations below 10V and above 30V may degrade the operation of the unit.
2. Polarity of the power wires is not important.



Receiver

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



WARRANTY

EMX Inc. warrants the product described herein for period of 1 year under normal use and service from the date of sale to our customer. The product will be free of defects in materials and workmanship. This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, or damage caused by the purchaser connecting the unit wrong, or lightning damage.

There is no warranty of merchantability. There are no warranties which extend beyond the description herein. There are no warranties expressed or implied or any affirmation of fact or representation except as set forth herein.

EMX Inc. sole responsibility and liability, and purchaser's exclusive remedy shall be limited to the repair or replacement at EMX's option of a part or parts not so conforming to the warranty. In no event shall EMX Inc. be liable for damages of any nature, including incidental or consequential damages, including but not limited to any damages resulting from non-conformity, defect in material or workmanship.