Power Door Products
(914) 698-5083
www.PowerDoorProducts.com

IRB-RET2

UNIVERSAL RETROREFLECTIVE PHOTOEYE KIT

Building on the success of the original IRB-RET, the IRB-RET2 takes a step further by offering advanced features in a smaller and more convenient package.

Six UL325 Monitoring Methods

With six UL325 monitoring methods, the IRB-RET2 easily integrates with various systems for increased adaptability.

Easy Alignment LED

Align the sensor with the help of the easy alignment LED, saving time and reducing frustration.

Ball and Socket Bracket

The ball and socket bracket offers versatile positioning options for a seamless and secure setup.

Integrated Sensor Hood

The integrated sensor hood shields the device from the elements, ensuring reliable performance in all conditions.

1/2 Inch Conduit Connection

The 1/2 inch conduit connection ensures a reliable and sturdy link for a safe and dependable installation.

Selectable Stealth Mode

Stealth mode turns off LEDs after 30 seconds of inactivity, protecting your equipment from unwanted attention or vanadlism.

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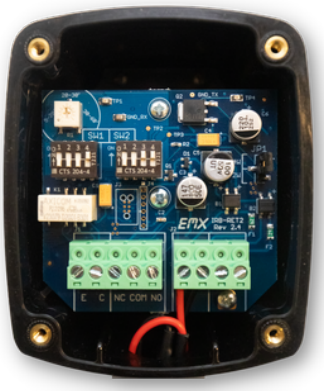
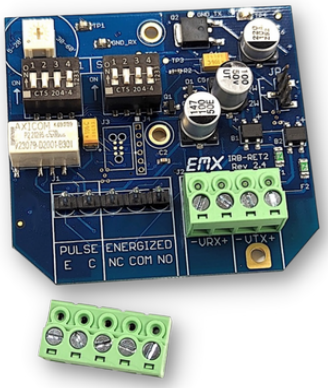
MORE DETAILS

- **UL325 Monitoring Methods**
  - Normally Closed
  - 10K Resistive Termination
  - Two-wire Pulse (2 Frequency)
  - Two-wire Pulse (3 Frequency)
  - Four-wire Pulse (2 Frequency)
  - Four-wire Pulse (3 Frequency)

- **Type B1, Non-Contact Sensor**
- **Operating Range up to 60 ft. (18.3m)**
- **Sensitivity Adjustment: Potentiometer**

The IRB-RET2 has detachable screw terminals for easier wiring. Remove them while connecting wires, then plug them back in properly and secure them.







Integrated Sensor Hood



Ball & Socket Mounting Bracket



Reflector Extension Bracket



REFLECTOR-O-EX



REFLECTOR-O-HD

TECHNICAL DATA

Operating Range	5 ft (1.5 m) to 60 ft (18.3 m)
Sensitivity Adjustment	Potentiometer
Power	6-40 VDC, 12-24 VAC
Current (NC and 10K Monitoring Methods)	50 mA DC (relay activated)
Current (Pulse Monitoring Methods)	15 mA DC
Resistive Termination	10K ohm across NO contact (switch selectable)
Surge Protection	Thermal fuse, MOV
Relay Output Operation	Light ON/Dark ON
Response Time	250ms
Operating Temperature	-30° to 140°F (-34° to 60°C)
Environmental	NEMA 4X
Dimensions (L x W x H)	5.1” (130 mm) x 3.15” (80 mm) x 5.5” (140 mm)
Weight	0.77 lbs.
Ball Joint Mount Conduit Thread	½ Inch NPT

WARRANTY EMX INC. the product described herein for a period of 2 years under normal use and service from the date of sale to our customer. The product will be free from defects in material and workmanship. This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, or damage caused by the purchaser from incorrect connections, or lightning damage. There is no warranty of merchantability. There are no warranties expressed, implied or any affirmation of fact or representation which extend beyond the description 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. Rev 3 12/06/2022

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