

# IRB-4X

EXTENDED RANGE PHOTOEYE

## Applications

The IRB-4X photoeye is used as a safety, reversing, or opening device in conjunction with automatic operators. The IRB-4X will work with any control board that accepts dry contact on the input. The easy to install IRB-4X is used with garage doors, rolling doors, parking barriers and other equipment.

\* Not for use in applications requiring UL325 compliance.

# IRB-4X



**EMX Industries, Inc.**

4564 Johnston Parkway, Cleveland, Ohio 44128

P. 800 426 9912 F. 216 518 9884

**Sales Inquiries:** [salesupport@emxinc.com](mailto:salesupport@emxinc.com) **Technical Support:** [technical@emxinc.com](mailto:technical@emxinc.com)

[www.emxinc.com](http://www.emxinc.com)

- 115 ft. operating range
- Potentiometer range adjustment for precise tuning to site
- Thru beam design is not affected by shiny surfaces
- Wide 24° transmission angle allows easier alignment and increases reliability



## Accessories



IRB-HD-SET / IRB-SH-SET



IRB-SP / IRB-S



IRB-BR



IRB-RX-SH

## Technical Data

<b>Power</b>	12-24 VDC, 24 VAC
<b>Current</b>	TX = 37mA RX = 23mA standby 17mA detect
<b>Range</b>	3 - 115 feet
<b>Response Time</b>	10mS max
<b>Operating Temp</b>	-40°F to +170°F
<b>Relay Contact Rating</b>	1A @ 24VDC or 120VAC
<b>Housing Material</b>	NEMA 4X Polycarbonate
<b>Dimensions</b>	3.7" x 2.56" x 2.24"
<b>Detection Angle</b>	24°
<b>Gain Adjustment</b>	Potentiometer

## Ordering Information

- IRB-4X Infrared transmitter and receiver units
- IRB-HD-SET Gold anodized aluminum hoods
- IRB-SH-SET Gray powder coat steel hoods
- IRB-SP Nylon liquid tight strain relief connector, set of 2
- IRB-S Nylon mounting screws with nuts, set of 2
- IRB-BR Steel "L" shaped mounting bracket, set of 2
- IRB-RX-SH Receiver sunshield

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 2.5 03/06/19

