

IRB-4X

EXTENDED RANGE INFRARED
MODULATED PHOTOCELL

Applications

The IRB-4X photocell 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. Please use the IRB-325 for these installations.

IRB-4X



IRB-4X

- New enhanced features while maintaining the reliability you have come to expect.
- Longer range
- Improved interference rejection.
- Built in noise filter.
- Power indicator LEDs.
- Potentiometer range adjustment to allow more precise tuning to site.
- Wide 24° transmission angle allows easier alignment and increases reliability.
- Through beam design is not affected by shiny surfaces.
- Modulated infrared to reduce the effect of sunlight, fog, rain, dust and dirt.
- No focusing lens.



Accessories



IRB-HD



IRB-SH



IRB-4X (board only)



IRB-BR

Technical Data

Power	12 - 24volts AC or DC
Current	TX = 37mA RX = 23mA standby 17mA detect
Range	25 - 115 feet
Operating Temp	-40°F to +170°F
Relay Contact Rating	5A @ 30VDC/250VAC
Housing Material	NEMA 4X Polystyrene
Dimensions	3.7" x 2.56" x 2.24"
Detection Angle	24°
Gain Adjustment	Potentiometer

Ordering Information

- IRB-4X Infrared transmitter and receiver units.
- IRB-HD-SET Gold anodized aluminum protective hood.
- IRB-SH-SET Gray Powder coat steel hood
- IRB-BR "L" shaped mounting bracket
- IRB-TRF Wall plug-in transformer 120VAC to 20VAC
- IRB-SP Liquid tight strain relief connector.
- IRB-S Set of Nylon mounting screws with nuts

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 2.2 03/02/2011