

# IRB-4X2

## THRU BEAM PHOTOEYE

Building on the success of the original IRB-4X, the **IRB-4X2** takes a step further by offering advanced features in a smaller and more convenient package.

The IRB-4X2 photoeye is used as a safety, reversing, or opening device in conjunction with automatic operators. The IRB-4X2 will work with any control board that accepts dry contact on the input. The easy to install IRB-4X2 is used with garage doors, rolling doors, parking barriers and other equipment. \*Not for use in applications requiring UL325 compliance.

### Integrated Sensor Hood

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

### Removable Terminal Block

The **IRB-4X2** boasts a removable terminal block for easy wiring.

**1/2 in. NPT Conduit Hole**

**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



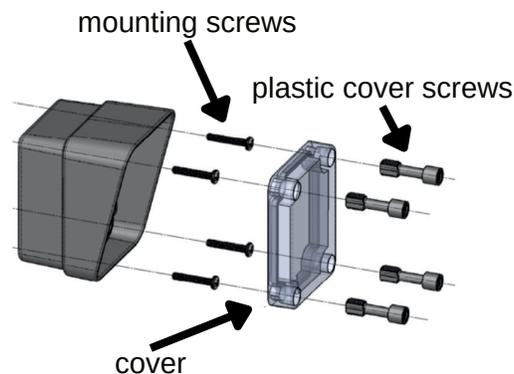
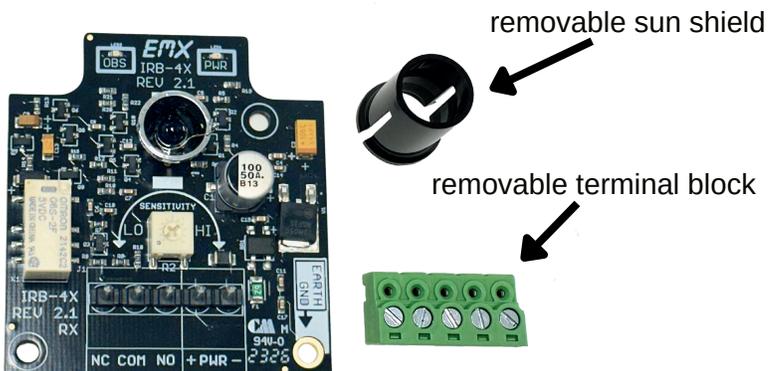
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## MORE DETAILS

The **IRB-4X2** has detachable terminal blocks for easier wiring. Remove them while connecting wires, then plug them back in properly and secure them.

The **IRB-4X2** has an IP65 rated housing with integrated hood making confident installation a breeze.



EMX-1250-1  
IRB-4X2



Optional: EMX-1915-1  
IRB-MON2-4X2-HD-GREY



Optional: EMX-1916-1  
IRB-MON2-4X2-HD-GOLD



Optional: HRD-288-1  
Universal Mounting Bracket

## TECHNICAL DATA

<b>Operating Range</b>	5 to 115 ft (35 m)
<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>Connections</b>	"Removable" screw terminal for easy wiring
<b>Gain Adjustment</b>	Potentiometer
<b>Relay Contact Rating</b>	1A @ 24VDC or 120VAC
<b>Response Time</b>	10mS max
<b>Operating Temperature</b>	-40F to +170F
<b>Dimensions (L x W x H)</b>	3.6" (91 mm) x 2.9" (74 mm) x 2.9" (74 mm)
<b>Conduit Hole Size (bottom of the housing)</b>	0.83" (21.3 mm) – large enough for 1/2 in. 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*

