

# IRB-T115

## THRU BEAM PHOTOEYE



The IRB-T115 Thru Beam Photoeye offers non-contact, high-performance sensing with an easy setup in any environment.

- **Long-Range Sensing:** Operates up to 115 feet, delivering reliable detection in a wide range of applications.
- **Weather-Proof Housing:** Encased in a NEMA 4X rated housing, perfect for both indoor and outdoor use.
- **Wide Compatibility:** Equipped with dry NO/NC relay contacts, making it compatible with most control systems.

- **Easy Alignment:** Red alignment indicator on the receiver provides immediate status feedback, ensuring quick and accurate installation.



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scan here for more  
information



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## Applications

- Process Automation
- Process Triggering
- Inventory Management
- Counting

## Design & Features

- Thru-beam style for higher reliability
- Removeable wiring block for easy access
- Long Range Operation (115 feet)
- Sensitivity adjustment
- Alignment LED indicators
- Form C Relay Output

## Ordering Information



### IRB-T115 KIT

- Thru beam photoeye kit, includes transmitter, receiver, protective hoods, and sunshield



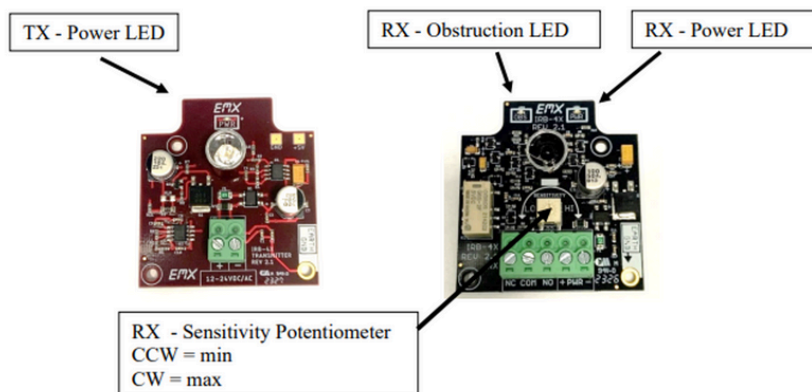
## Specifications

SPECIFICATION	DETAILS
Operating Range	Up to 115 ft. (35 m)
Power	12-24 VDC/AC
Current Draw of Transmitter	37 mA
Current Draw of Receiver	23 mA Standby, 17 mA Detect
Surge Protection	Thermal Fuse
Relay Output Configuration	Form C Contacts (NO, COM, NC)
Relay Contact Rating	1 A at 24 VDC / 120 VAC
Operating Temperature	-40° to 170°F (-40° to 77°C)
Dimensions (L x W x H)	2.3" (57 mm) x 2.6" (65 mm) x 3.7" (94 mm)
Environmental Rating	NEMA 4X

## Indicators

LED INDICATION	STATE
GREEN TRANSMITTER LED ON	POWER
GREEN RECEIVER LED ON	POWER
RED RECEIVER LED ON	BEAM BLOCKED OR NOT ALIGNED

## Board Diagram



WARRANTY EMX INC. the product described herein for a period of 2 years under normal use and service from the date of manufacture. 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.

