

NIR-50-325

RETROREFLECTIVE PHOTOEYE

Applications

The NIR-50-325 retroreflective photoeye is an external entrapment protection device Type B1, non-contact sensor for use with gates, overhead doors and barriers. The device is UL325-2016 compliant and configured for 10k monitored operation featuring a built-in 10k resistor.

NIR



EMX

INDUSTRIES

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Retroreflective Photoeye

- UL325-2016 compliant
- Monitored 10k operation
- 50 ft. operating range
- Compatible with many operators



Accessories



NIR-BR



NIR-HD



Reflector-O



Reflector-O-HD

Technical Data

Operating range	0.5ft (0.1m) ...50ft (15.2m)
Sensitivity adjustment	Potentiometer
Signal stability indicator	Yellow LED
Alignment indicator	Red LED
Relay output	Form C contacts (NO, COM, NC), 30VAC/VDC, 2A
Resistive termination	10k Ohm (internal)
Response time	10ms
Power	12...30VDC, 24...30VAC @ 60 Hz
Current draw	83mA
Operating temperature	-4°...131°F (-20°...55°C)
Environmental protection	IP 66 IEC
Dimensions (L x W x H)	1.3" (33mm) x 0.8" (21mm) x 2.6" (66mm)
Weight	0.2 lbs (91g),
Connections	5 wires, 6.5' (2m) cable
Certifications	CE, UL325-2016

Ordering Information

- NIR-50-325 Retroreflective photoeye, includes mounting bracket with hardware
- NIR-BR Steel mounting bracket
- NIR-HD Steel protective hood
- Reflector-O Plastic reflector, 3" dia.
- Reflector-O-HD Plastic protective hood for reflector

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 1.0 08/29/2016