



# TruGuard™

## TG-R-K10



## MONITORED REFLECTIVE PHOTO EYE

The Miller Edge TruGuard monitored reflective photo optic system combines an emitter and receiver in the same housing. The reflector, equipped with hood for added sunlight immunity, returns the photo optic beam to the emitter/receiver unit. This system functions as a protective barrier guarding an entrapment or hazard zone. When an obstruction interrupts the invisible barrier, a signal is sent to motor controls to stop and/or reverse motion. A visible light beam eases alignment to the reflector making it easy to install.



### APPLICATIONS

- Automated gates

### FEATURES

- 30 ft. range
- Normally closed and 10K outputs
- Easy installation and minimal maintenance with reflector
- Polarized beam and corner cube reflector reject false reflection and increase sunlight immunity
- Emitter/receiver can be mounted vertically or horizontally
- Durable mounting bracket/hood and reflector hood provide added protection against debris and serve as weather and sun shields
- IP67 housing protects against moisture and dust
- UL 325 Recognized Component
- 2-year warranty




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### GENERAL SPECIFICATIONS

#### PERFORMANCE

Operating Range	6-30 ft. (2-9 m)
Number of Elements	1 element
Maximum Ambient Light	>100,000 lux
Aperture Angle	±3°
Reflector	Corner cube
Operating Temperature	-13°F to +141°F, (-25°C to +55°C)
Agency Approvals	 us UL 325 Recognized Component

#### ELECTRICAL

Power Source	12-40 volts DC, 24-48 volts AC
Current Consumption	<40 mA
Relay Rating	2 A @ 40 volts AC/DC
Output	N.C., 10K

	Emitter/Receiver	Reflector/Hood
<b>PHYSICAL</b>		
Dimensions	EM/RX: 0.75 W x 2.5 H x 1.38 D in. (19 x 64 x 35 mm) Bracket: 1.75 W x 4 H x 2.38 D in. (44 x 102 x 60 mm)	Reflector/hood: 3.9375 W x 3.9375 H x 1.86 D in. (100 x 100 x 47 mm)
Weight	EM/RX: 5.5 oz. Bracket: 6.5 oz.	Reflector/hood: 6.5 oz.
Housing Material	EM/RX: Polycarbonate, PMMA lens Bracket: Galvanized steel	Reflector: PMMA/ABS Hood: Plastic
LED Indicators	2: Power, alignment	-
Mounting Orientation	Horizontal, vertical	Vertical
Degree of Protection	IP67	-

### INCLUDED

- Emitter/receiver
- Emitter/receiver bracket/hood
- Reflector
- Reflector hood

