

# Reflecti-GUARD™

## Monitored Retro-Reflective Photo Eye

Uniquely Designed for the Door and Gate Industries

### Applications

- **Motorized Doors**
- **Motorized Gates**

The Reflecti-Guard™ monitored retro-reflective photo optic system functions as a protective barrier guarding a hazard or entrapment zone. The unit combines an emitter and receiver in the same housing. The reflector returns the light beam to the unit. When the light beam is interrupted by an obstruction, a signal is sent to the operator to stop or reverse motion.

To assist installers, a visible red beam eases alignment to the reflector.

### OPTIONS

- Two emitter/receiver options: RG-R (relay output) and RG-P (pulsed output)
- Hood available for areas prevalent in rain, snow, dust, and debris

### SPECIFICATIONS

PHYSICAL	
Emitter Dimensions:	5.1"H x 1.8"W x 2.8"D
Reflector Dimensions:	4.6"H x 1.2"W
Emitter/Receiver Weight:	11.6 oz.
Reflector Weight:	4.5 oz.
Enclosure Material:	Aluminum
Mounting Method:	Wall, floor, post
Alignment Indicator:	Front mounted green LED
Maximum Range:	30'
Fault Indicator:	Top red LED
Reflector:	MEI authorized, rectangular, corner cube retro reflector

MECHANICAL	
Detection Technology:	Visible red retro-reflective
Operating Temp. Range:	-40°F to 185°F -40°C to 85°C
Enclosure Material:	Aluminum
Wavelength:	625 nm
Response Time:	<18 msec
Alignment Angle:	±8°
Current Consumption:	50 mA



Emitter/Receiver and Reflector with Universal Adjustable Mounting Brackets

### FUNCTIONAL BENEFITS

- Several models designed to work with pre- and post-2010 door operators and pre- and post-2016 gate operators
- Spans distances up to 30'
- Vertical mounting
- Easy, time-saving installation with alignment LED
- UL 325 Recognized Component for doors and gates
- NEMA 4 enclosure
- Impact resistant for rugged environments
- Enhanced sunlight immunity
- Built-in strain relief



**Model: RG**

# **Reflecti-GUARD™**

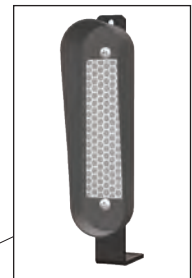
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## **TECHNICAL SPECIFICATIONS**

	<b>RG-R (N.C., 10K, N.O.)</b>	<b>RG-P (4-WIRE PULSED)</b>	<b>RG-P (2-WIRE PULSED)</b>
<b>Power-On Indicator</b>	Top solid green LED	Top solid blue LED	Top solid blue LED
<b>Power Supply</b>	7-30 VAC/10-42 VDC	7-30 VAC/10-42 VDC	Operator monitored input terminals
<b>Opto Relay Rating</b>	N/A	120 mA @ 350 VDC	120 mA @ 350 VDC
<b>Mechanical Relay Rating</b>	1 A @ 24 VDC	N/A	N/A

## **WARRANTY**

Miller Edge, Inc. will replace within two years of shipment from factory, any Reflecti-Guard subject to normal use, which is found to have defective materials or workmanship, as determined solely by our factory representative. Replacements will be shipped to you freight collect. This warranty is void where evidence of misuse or abuse is present.



Hood shown installed on RG reflector

**Optional: RG-HOOD**  
**6"H x 1.6875"W x 1.625"D**  
**Material: Black ABS**



RG\_Spec\_20160922