Prime-Guard™
PG

MONITORED PHOTO EYE

The Prime-Guard monitored thru-beam photo optic system provides an invisible beam of light from a wireless, battery operated transmitting unit to a receiving unit. The photo optic element is intended to function as a protective barrier guarding a potentially hazardous zone. When an obstruction interrupts the invisible barrier, a signal is sent to motor controls to stop and/or reverse motion. Prime-Guard offers four models available to suit the electrical output and operating range of your unique application. The battery-powered emitting unit eliminates the need to hard-wire and is easy to install. Prime Guard's rugged housing is suitable for both indoor and outdoor installations.

APPLICATIONS
- Motorized doors
- Automated gates

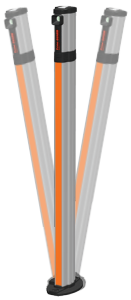
FEATURES
- 50 ft. and 100 ft. range models
- Pulsed and relay models
- Enhanced sunlight immunity
- Impact resistant for rugged environments
- Time-saving installation with alignment LED
- Wireless emitter makes installation easy
- Extended battery life reduces maintenance
- Thru-beam technology minimizes false reflective signals
- Universal adjustable mounting brackets included
- Vertical or horizontal mounting surface
- UL 325 Recognized Component
- 2-year warranty

610-869-4422
www.milleredge.com

MillerEdge®

Prime-Guard™

PG



OPTIONS

- 50 ft. range models (monitored):
  - PG-K-P50: Pulsed output
  - PG-K-R50: Relay output
- 100 ft. range models (monitored):
  - PG-K-P100: Pulsed output
  - PG-K-R100: Relay output

RELATED PRODUCTS

- IG2-P1: Pedestal Mounts

GENERAL SPECIFICATIONS

	PG-K-P50	PG-K-P100	PG-K-R50	PG-K-R100
PERFORMANCE				
Operating Range	0-50 ft. (0-15 m)	0-100 ft. (0-30 m)	0-50 ft. (0-15 m)	0-100 ft. (0-30 m)
Number of Elements	1 element	1 element	1 element	1 element
Maximum Ambient Light	>100,000 lux	>100,000 lux	>100,000 lux	>100,000 lux
Aperture Angle	±10°	±10°	±10°	±10°
Operating Temperature	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)	-40°F to +185°F (-40°C to +85°C)
Agency Approvals	c UL us UL 325 Recognized Component	c UL us UL 325 Recognized Component	c UL us UL 325 Recognized Component	c UL us UL 325 Recognized Component
ELECTRICAL				
Power Source	EM: (2) AA lithium batteries RX: 7-30 V AC, 10-42 V DC	EM: (2) AA lithium batteries RX: 7-30 V AC, 10-42 V DC	EM: (2) AA lithium batteries RX: 7-30 V AC, 10-42 V DC	EM: (2) AA lithium batteries RX: 7-30 V AC, 10-42 V DC
Battery Life	4-years	2-years	4-years	2-years
Low Battery Indicator	RX: LED flashes	RX: LED flashes	RX: LED flashes	RX: LED flashes
Current Consumption	EM: 60 µA RX: 20 mA	EM: 120 µA RX: 20 mA	EM: 60 µA RX: 50 mA	EM: 120 µA RX: 50 mA
Relay Rating	RX: 1 A @ 24 volts DC	RX: 1 A @ 24 volts DC	RX: 1 A @ 24 volts DC	RX: 1 A @ 24 volts DC
Output	2-wire pulsed	2-wire pulsed	N.O., N.C., 10K	N.O., N.C., 10K
PHYSICAL				
Dimensions (with brackets)	1.8 W x 5.1 H x 2.8 D in. (46 x 130 x 71 mm)	1.8 W x 5.1 H x 2.8 D in. (46 x 130 x 71 mm)	1.8 W x 5.1 H x 2.8 D in. (46 x 130 x 71 mm)	1.8 W x 5.1 H x 2.8 D in. (46 x 130 x 71 mm)
Weight	EM: 11 oz. RX: 11 oz.	EM: 11 oz. RX: 11 oz.	EM: 11 oz. RX: 11 oz.	EM: 11 oz. RX: 11 oz.
Housing Material	Aluminum, glass-filled nylon	Aluminum, glass-filled nylon	Aluminum, glass-filled nylon	Aluminum, glass-filled nylon
Bracket Material	Steel	Steel	Steel	Steel
LED Indicators	EM: Power (top) RX: Power, low battery, fault (top) Aligned (front)	EM: Power (top) RX: Power, low battery, fault (top) Aligned (front)	EM: Power (top) RX: Power, low battery, fault (top) Aligned (front)	EM: Power (top) RX: Power, low battery, fault (top) Aligned (front)
Mounting Orientation	Vertical	Vertical	Vertical	Vertical
Degree of Protection	NEMA 4	NEMA 4	NEMA 4	NEMA 4

WIRELESS EMITTER

WIRED RECEIVER

Contact Miller Edge to ensure compatibility.

© Miller Edge, Inc. All rights reserved