

Invisi-GUARD™

Thru-Beam Photo Eye

Applications

- **Motorized Doors**
- **Motorized Gates**
- **Parking Garages**
- **Toll Booths**

Invisiguard thru beam photo optic system sends an invisible beam of light from a transmitting unit to a receiving unit. The light beam is intended to function as a protective line guarding a potentially hazardous zone. When the light beam is interrupted by an obstruction, a signal is sent to the motor controls to stop or reverse motion.

A variety of electrical and photo optic configurations are available to suit an assortment of applications and Invisiguard is suitable for both indoor and outdoor installations.

FUNCTIONAL BENEFITS:

- Time saving easy installation
- Mounts vertically or horizontally
- Positioning indicators simplify alignment
- Battery powered emitter reduces wiring
- Spans distances from 30 to 50 feet (dependent upon model)
- Low current for use with solar powered motors (PH-T-1-EE only)

MECHANICAL SPECIFICATIONS:

Enclosure Dimensions	5 in L x 2.06 in W x 1.56 in H (12.7cm L x 5.2cm W x 4cm H)
Enclosure Rating	NEMA 4
Enclosure Material	Polycarbonate
Mounting Method	Wall or Post

US Patent 7,869,718 B1



Model # PH-T-1



Model # PH-T-1-EE



Model # PH-T-2



Model # PH-T-1-SP-50



TECHNICAL SPECIFICATIONS:

PH-T-1 <i>Battery Powered Emitter</i>	PH-T-2 <i>Wired Emitter</i>	PH-T-1-EE <i>Energy Efficient</i>	PH-T-1-SP-50 <i>50 Foot Range</i>
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Detection Technology	Infrared thru-beam	Infrared thru -beam	Infrared thru -beam	Infrared thru -beam
Infrared Wavelength	940nm	940nm	940nm	940nm
Maximum Range	30 feet (9.1m)	30 feet (9.1m)	30 feet (9.1m)	50 feet (15.2m)
Response Time	<100 msec	<100 msec	<30 msec	<100 msec
Alignment Angle	±10°	±10°	±10°	±10°
Operating Temperature	-22° F to 140°F (-30° C to 60° C)	-22° F to 140°F (-30° C to 60° C)	-22° F to 140°F (-30° C to 60° C)	-22° F to 140°F (-30° C to 60° C)
Power Supply (Em)	2 X 1.5V, 3Ah, Lithium AA	10-35 V AC/DC, 50/60Hz	2 X 1.5V 3Ah Lithium AA	2 x 3.6V, 2.4Ah Lithium AA
Power Supply (Rx)	8-30 V AC/DC, 50/60 Hz	8-30 V AC/DC, 50/60 Hz	8-30 V AC/DC, 50/60 Hz	10-35 V AC/DC, 50/60 Hz
Current Consumption (Em)	<350µA	17mA	<350µA	750µA
Current Consumption (Rx)	Relay energized 80mA Relay de-energized 30mA	Relay energized 80mA Relay de-energized 30mA	6mA	Relay energized 80mA Relay de-energized 30mA
Battery Life	1 Year	N/A	1 Year	7 months
Low Battery Indicator	Yes, Audible Alarm	N/A	Yes, Audible Alarm	Yes, Audible Alarm
Alarm Output	85dB	N/A	85dB	85dB
Relay Rating	1A@24V SPDT	1A@24V SPDT	N/A	1A@24V SPDT
Certification	ANSI/UL325	ANSI/UL325	ANSI/UL325 Pending	ANSI/UL325 Pending

WARRANTY

We will replace within two years of shipment from our factory, any Invisi-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.



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