

Invisi-GUARD™

Thru-Beam Photo Eye
with Battery Powered Emitter

Applications

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

Model # PH-T-1

Invisi-Guard™ thru-beam photoelectric sensor is intended to detect the presence of an obstacle when the infrared light beam is interrupted.

Suggested applications include motorized doors and gates where an interruption would signal the motor to reverse; toll booths and parking lots where an interruption would cause a signal to change. The system includes two independently housed units: a battery powered infrared emitter and a receiver that wires directly to your controls. The battery powered emitter saves time and money by eliminating the need to saw concrete or run wire across the opening. The built-in audible low battery alarm alerts users when it is time to replace batteries.



TECHNICAL SPECIFICATIONS:

Detection Technology	Infrared thru-beam
Infrared Wavelength	940nm
Maximum Range	30 feet (9.14m)
Response Time	<100 msec
Alignment Angle	±10°
Operating Temperature	-22° F to 140°F (-30° C to 60° C)
Power Supply (Em)	2 X 1.5V, 3Ah, Lithium AA
Power Supply (Rx)	10-35V AC/DC, 50/60 Hz
Current Consumption (Em)	<350µA
Current Consumption (Rx)	Relay energized 80mA; Relay de-energized 30mA
Battery Life	1 Year
Low Battery Indicator	Yes, audible alarm
Alarm Output	85dB
Relay Rating	1A@24V
Enclosure	NEMA 4
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)
Mounting Method	Wall or Post
Certification	ANSI/UL325

FUNCTIONAL BENEFITS:

- Battery powered emitter eye saves time and money eliminating the need to run additional wiring from the emitter eye across the opening
- Thru-Beam technology minimizes false reflective signals
- Easy to Align
- Audible alarm alerts users when batteries need to be replaced
- Standard "AA" Lithium battery size simplifies replacement and withstands extreme temperatures
- Mounts vertically or horizontally
- Removable "Hood" helps block out unwanted nuisance signals
- 2 year warranty from date of shipment from our factory



ANSI/UL325

