



**SENGATE**

# TWIN PHOTOELECTRIC BEAM SENSOR

**2PH-100A / 2PH-150A**

## FEATURES :

- Easy Optical Alignment.
- A.G.C. ( Automatic Gain Control ) Circuit.
- High Grade Aspheric Lens.
- Rain, Dust & Insect Protection.
- Frost & Dew Protection.
- Adjustable Beam Interruption Period.



# FEATURES



### A.G.C. Circuit

The A.G.C. (Automatic Gain Control) Circuit continually monitors for gradual changes in the signal's strength caused by changing weather conditions. It adjusts the sensitivity accordingly to maintain the proper signal level for the current environmental conditions.

### Rain, Dust & Insect Protection

The rubber Ring and Rubber Grommets could prevent rain, dust and tiny insects from adversely affecting performance.

### Easy Optical Alignment

The rotating dial allows the installer to finely adjust the beam easily either horizontally or vertically.



### High Grade Aspheric Lens

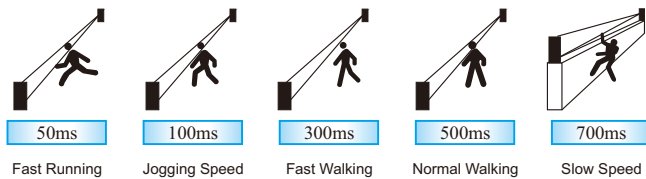
The aspheric lens creates more sharply defined & precise infrared beams for poor weather conditions.

### Easy Installation

The pole mount brackets supplied will allow installation of two units on a pole at the same height easily.

### Adjustable Beam Interruption Period

The beam interruption time can be adjusted to fit any application.



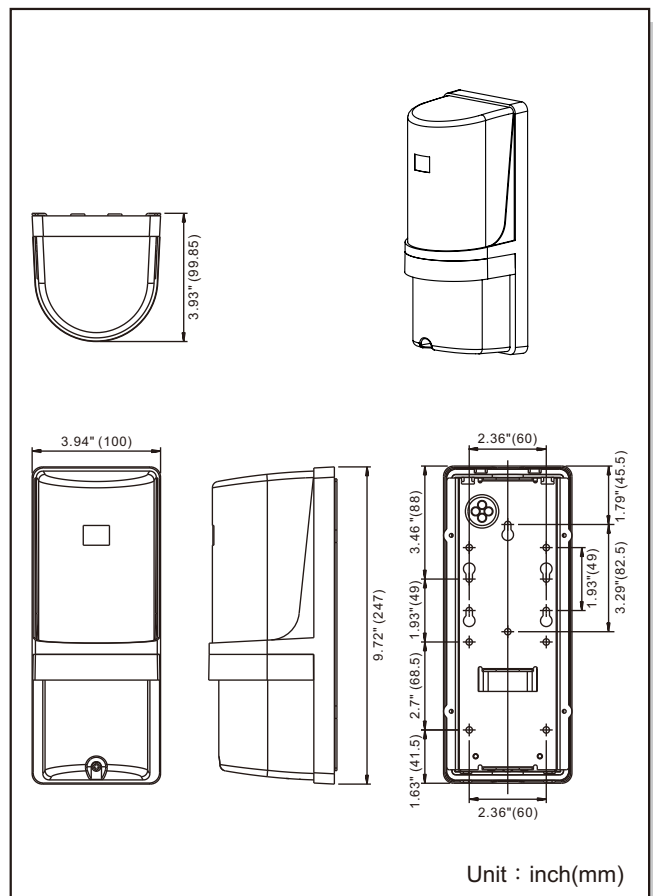
# SPECIFICATIONS

MODEL	2PH - 100A	2PH - 150A
Detection Distance	Outdoor 300 ft. (100m) / Indoor 600 ft. (200m)	Outdoor 450 ft. (150m) / Indoor 900 ft. (300m)
Max. Arrival Distance	3000 ft.(1000m)	4500 ft.(1500m)
Current Consumption	43mA ( max )	50mA ( max )
Power Supply	10.5V ~ 28VDC ( Non-Polarity )	
Detection System	Infrared Photoelectric	
Response Time	50msec ~ 700msec ( Adjustable )	
Alarm Output	Dry connect relay NC./NO. 0.2A / 30VDC Contact action: 0.5 sec. To 2 sec.	
Tamper Output	Dry connect relay NC. 0.2A / 30VDC ( NC. opens when cover is removed. )	
Alarm LED	Red LED (Receiver) lights when an alarm is initiated.	
Functions	Monitor jack output, AGC circuit, Frost proof cover.	
Alignment Angle	Horizontal ±90°, Vertical ±10°	
Operating Temperature	-13°F to +131°F ( -25°C to +55°C )	
Mounting Positions	Indoor / Outdoor	
Wiring	Terminals	
Weight	63.7 oz ( 1805 g ) : Transmitter & Receiver	
Dimensions(inches / mm)	W3.94" x H9.72" x D3.94" ( W100 x H247 x D100 )	
Standard Accessories	U-Shaped brackets x 4 Attenuation Sheet x 1 Screws ( 4 x 20 Self tapping ) x 8 Screws ( M4 x 30 ) x 8	

#### NOTE :

- This unit is designed to detect an intruder and activate an alarm control panel. Being only a part of complete system, we cannot assume responsibility for theft or damages, should it occur.
- Specifications and design are subject to change without prior notice.

# DIMENSIONS



Unit : inch(mm)

No.B2PH150A0301A



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