



100 / 150M TWIN PHOTOELECTRIC BEAM SENSOR

2PH-100 / 150BS

2PH-100 / 150BQ



NEW FUNCTION • NEW DESIGN

FEATURES :

- A.G.C. (Automatic Gain Control) Circuit.
- Double Modulation Beam Frequency.
- Selectable 4-Channel Beam Frequencies.
- High Grade Aspherical Lens.
- Optional Heating Unit for cold areas.
- Protection against Rain, Dust & Insect.
- Protection against Frost, Snow & Dew.
- Adjustable Beam Interruption Period.
- Static, Lightning & Surge Resistance.
- External visible light protection.

ISO-9001



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FEATURES :

RAIN, DUST & INSECTS PROTECTION

The Rubber O-Ring & Rubber Grommets used to prevent rain, dust and tiny insects from adversely affecting performance.



DOUBLE MODULATION IR BEAM FREQUENCY

FORM C RELAY (N.C.IN.O.)

FROST & DEW PROTECTION

An anti-frost design is to protect the detector from effect of frost & dew.

99% BEAM BLOCKING STABILITY

Enabling stable operation with as much as 99% loss of beam energy.

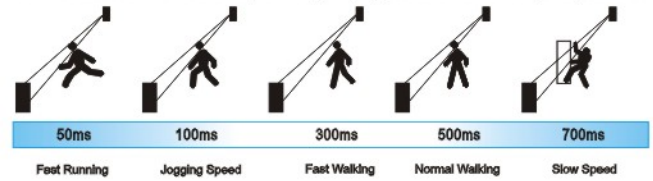
AUTOMATIC GAIN CONTROL (A.G.C.)

The A.G.C. Circuit continually monitors for gradual changes in the signal's strength caused by weather conditions and adjusts the trigger level accordingly, to maintain proper sensitivity.

STAINLESS SCREWS & BACK PLATE

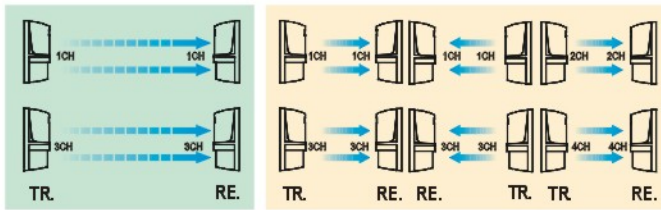
ADJUSTABLE BEAM INTERRUPTION PERIOD

Beam interruption time can be adjusted according to the peculiarities of each installation location. When protecting a wall or fence, a long interruption time could catch intruders, but let jumping cats or small objects pass through.



SELECTABLE 4-CHANNEL BEAM FREQUENCY

- 1 2-stacked protection. 2 Line and 2-stacked protection.



SPECIFICATIONS :

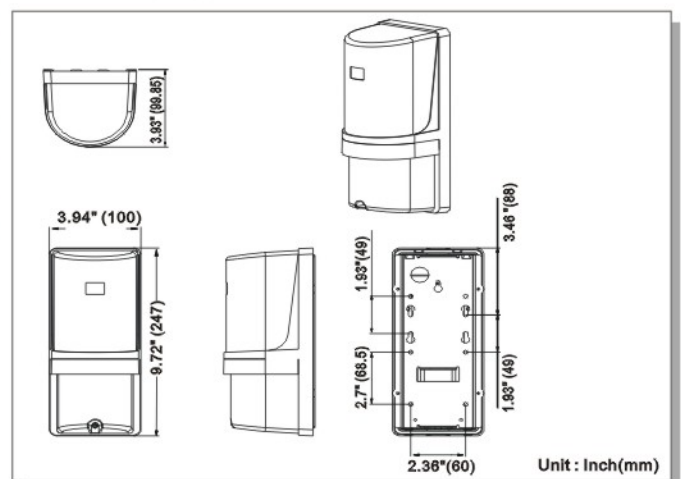
MODEL		2PH-100BS	2PH-150BS	2PH-100BQ	2PH-150BQ
Detection Distance	Outdoor	300 ft. (100m)	450 ft. (150m)	300 ft. (100m)	450 ft. (150m)
	Indoor	600 ft. (200m)	900 ft. (300m)	600 ft. (200m)	900 ft. (300m)
Max. Arrival Distance		3000 ft.(1000m)	4500 ft.(1500m)	3000 ft.(1000m)	4500 ft.(1500m)
Current Consumption		67mA (max)	85mA (max)	67 mA (max)	85mA (max)
Selectable Beam Frequency		4 channel			
Power Supply		10.5V ~ 30VDC (Non_Polarity)			
Infrared Photoelectric		LED pulsed beam, Double modulation			
Detection System		Simultaneous breaking of 2 beams			
Response Time		50msec ~ 700msec (Adjustable)			
Alarm Output		Dry connect relay NC./NO. 0.2A/28VDC Contact action: 1 To 3 sec.			
Tamper Output		Dry connect relay NC. 0.2A/28VDC Action: cover is detached.			
Alarm LED		Red LED (Receiver) lights when an alarm is initiated.			
Attenuation LED		Yellow LED (Receiver) lights when beam is attenuated			
Functions		RF-Monitor Jack, Meter 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		Transmitter (905g) & Receiver (945g)			
Dimensions		W 100 x H 247 x D 100 mm			
Standard Accessories		U-Shaped Brackets x 4, Attenuation Sheet x 1 Screws (4x20 Selftapping) x 8, Screws (M4 x 20) x 8			
Option		Heating Unit (HT-150)			

HEATING UNIT - HT-150 (OPTION PART)

For use in cold areas (Temperature control switch inside),
24V DC/AC,
400mA max. (800mA/set)



DIMENSIONS :



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.



Taiwan Security Net Co., Ltd.

Designing / Manufacturing

No.2PH150BQ-0528A