

FLASH LIGHT SIREN BEAM

PBS-15T



PBS-15T is an infrared beam sensor which consists of a transmitter and a receiver with built-in flash light and siren.

The unit is designed to intimidate intruders by initiating high-intensity LED flash lights and electronic sound siren when detection.

Volume of electronic siren is adjustable between silence and 90dB Max.

Day light

With the day light setting, siren sound can be controlled by the illuminance of the surrounding environment.

High reliability

The unit is equipped with AND detection system which will offer more reliable protection. AND detection system will issue an alarm signal only when twin beams are simultaneously interrupted.

It will reduce nuisance alarms caused by birds, little animals or falling leaves.

Functions

Detection distance is 50 ft (15m).

Frequency is selectable for L or H to avoid cross talk.

Response time is adjustable between 0.05 sec. and 0.7 sec.

Other features

Beam alignment is adjustable horizontally by up to ± 90 degrees.

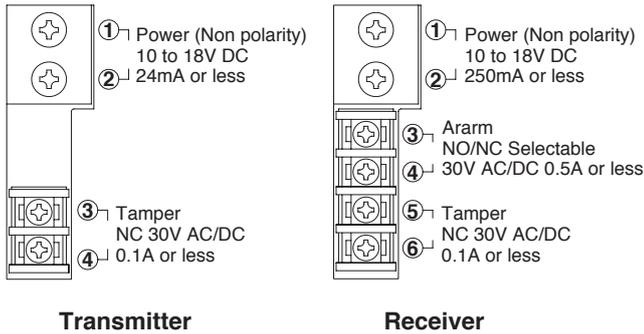
Flash lights light on during interruption time + Delay time (1min.).

AGC circuit

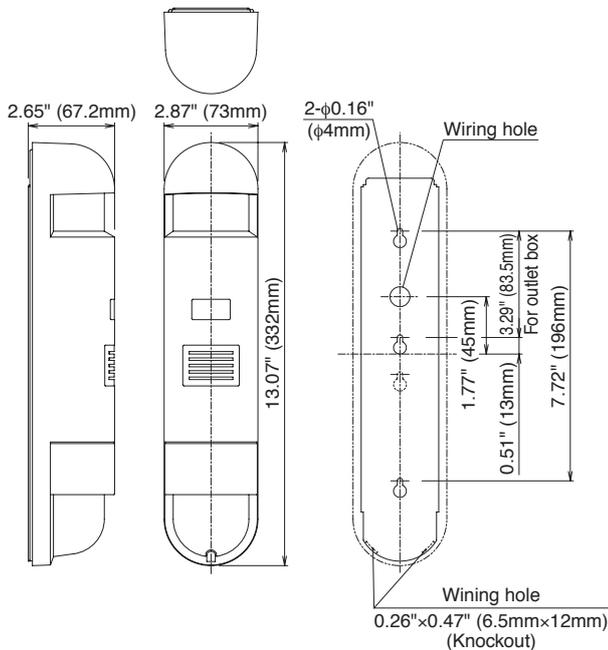
Frost proof cover

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■ TERMINAL ARRANGEMENT



■ EXTERNAL DIMENSIONS (Unit : inch(mm))



■ SPECIFICATIONS

Description	Flash light siren beam
Model	PBS-15T
Detection distance	Outdoor 50' (15m) or less (Indoor 100' (30m))
Max. arrival distance	Outdoor Tenfold 500' (150m) Indoor Fivefold 500' (150m)
Infrared beam	Double modulation pulsed beam by LED
Detection system	Simultaneous breaking of 2 beams
Response time	0.05sec. to 0.7sec. variable (Standard: 0.05sec.)
Supply voltage	10V to 18V DC (Non-polarity)
Current consumption	Transmitter: 24mA / Receiver: 250mA
Day light	Recognize it is night when surrounding environment is darker than the set illuminance.
Alarm output	Dry contact relay output NO/NC selectable Contact: 30V AC/DC 0.5A (Resistive load) Contact action: Interruption time (Min. 2sec.)
Tamper output	Dry contact output NC Contact capacity: 30V AC/DC 0.1A
Flash light output	Color: Red Interruption time + Delay time (1min.)
Siren output	Volume: Silence to approx. 90dB/1m Variable with a volume Siren timer: 5sec./20sec. selectable (One-shot operation)
Alarm LED	Red LED (Receiver) Lights when an alarm is initiated.
Attenuation LED	Red LED (Receiver) Lights when beam is attenuated.
Transmitting LED	Green LED (Transmitter) Lights when beam is transmitted.
Functions	Frequency selectable for L or H, AGC circuit, Frost proof cover
Ambient temperature range	-13° F to +140° F (-25°C to +60°C)
Beam alignment adjustment	Horizontal: ±90°
Installation	Indoor/Outdoor
Wiring	Terminals
Weight	Transmitter: 560g Receiver: 620g
Appearance	PC resin (wine red)

Please note : This sensor is designed to detect intrusion and to initiate an alarm; it is not a burglary or a crime preventing device. TAKEX is not responsible for damage, injury or losses caused by accident, theft, Acts of God (including inductive surge by lightning), abuse, misuse, abnormal usage, faulty installation or improper maintenance.

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