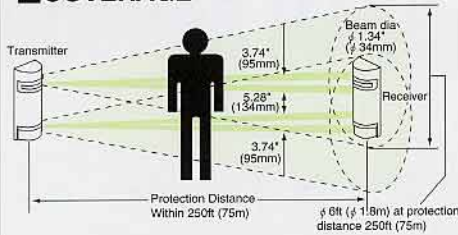
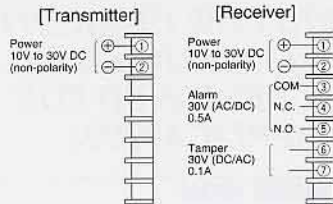


PHOTOELECTRIC BEAM SENSOR

COVERAGE



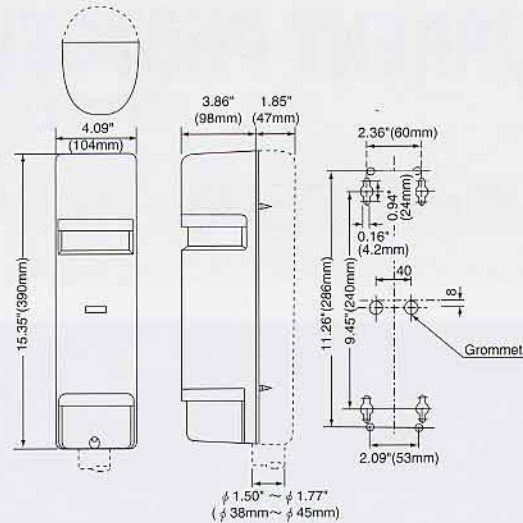
TERMINAL ARRANGEMENT



OPTIONAL

- Pole
KP-100(100cm, 2pcs./set)
KP-150(150cm, 2pcs./set)
- Pole cover
BP-200F(2pcs./set)
- Housing case
KH-120(1pce.)
- Flush mount attachment
BU-50F(1pce.)
(with stainless plate)
- Heater(2pcs./set)
HTF-100(100VAC · 200mA/set)
HTF-24(24VDC · 860mA/set)
(Temperature control switch)
- Pole side cover
BS-50F(1pce.)

EXTERNAL DIMENSIONS



WIRING DISTANCE BETWEEN SENSOR AND POWER SUPPLY UNIT

wire size	voltage	6V	12V	24V
0.3 mm ² (φ 0.65mm)		1750'(534m)	2200'(670m)	20000'(6000m)
0.4 mm ² (φ 0.7mm)		2050'(625m)	2600'(793m)	23000'(7010m)
0.5 mm ² (φ 0.8mm)		2700'(823m)	3400'(1040m)	30000'(9150m)
0.64 mm ² (φ 0.9mm)		3400'(1040m)	4300'(1310m)	38000'(11600m)

SPECIFICATIONS

NAME	Low current photoelectric beam sensor
Model	PB-IN-75SW
Detection system	Near infrared beam interruption system (TR, -RE, beams simultaneous interruption)
Infrared beam	Double modulation pulsed beam by LED
Protection distance	Outdoor 250ft (75m) or less
Max. arrival distance	Tenfold 2500ft (750m)
Response time	50m sec. to 700m sec. variable (standard 50m sec.)
Power supply	5V to 8V DC or 10V to 30V DC (with-polarity)
Power consumption	5V to 8V DC : 6mA(TR. side 3.7mA) or less when armed 10V to 30V DC : 25mA(TR. side 15mA) or less when armed
Alarm output	Dry contact relay Form C Action : Interruption time + off-delay 2 secs. Contact capacity : 30V (AC/DC) 1A
Environment output	Dry contact relay Form C Action : an output when environment causes low signal level Contact capacity : 30V (AC/DC) 0.5A
Tamper output	Dry contact relay Form B Action : trigger an output when cover is opened Contact capacity : 30V (DC) 0.1A
Alarm LED	Red LED (receiver) lights on when an alarm is initiated
Sensitivity attenuation LED	Red LED (receiver) lights on when beam reception is attenuated
Operation LED	Green LED (transmitter) lights on when cover is opened with power on
Additional functions	Four frequencies selection Environmental fade out monitor Beam strength monitor output
Beam alignment adjustment	Horizontal : ± 90°, Vertical : ± 10°
Ambient temperature range	-13° F to +140° F (-25° C to +60° C)
Installation	Outdoor
Wiring	M3 self-up terminals
Weight	Transmitter : 42oz (1200g) Receiver : 45.5oz (1300g)
Appearance	PC resin (wine red)

Please Note: This sensor is designed to detect intrusion and to initiate an alarm; it is not a burglary-preventing device. PULNiX 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.

LEAF 11-01R21-4

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