

PASSIVE INFRARED SENSOR

PA-450EA (Wide angle) **PA-450PIA** (Wide angle pet immunity)

PA-460EA (Vertical curtain)



High reliable detection performance with a simple and compact design

AREA ADJUSTMENT

The coverage pattern can be adjusted by moving the inner PCB (PA-450EA, PA-460EA) to allow different mounting heights.

CREEP ZONE

Zone focused directly below sensor eliminates typical "dead" area just under the unit.

SENSITIVITY SELECTABLE

According to the environment at the site, sensitivity can be adjusted by 4 steps : 60%, 80%, 100% or 120%.

PULSE COUNT SELECTABLE

Pulse count can be adjusted to 1, 2, 3, or 4 times.

※Do not use count 3,4 for PA-460EA

AUTO ALARM MEMORY

The alarm LED blinks for 3 min and remains lit for 47min, and then resets automatically.

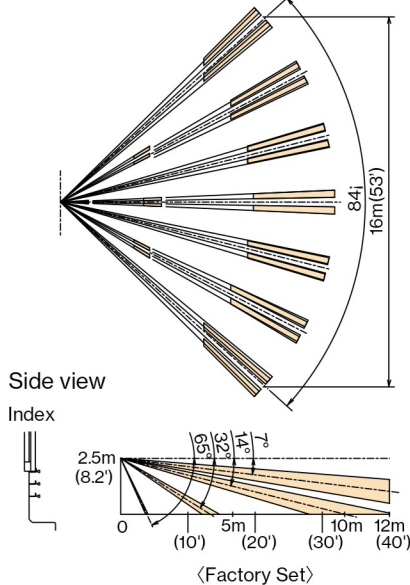
WALK TEST MODE

The alarm LED lights when the sensor detects for 5 min after warming up.

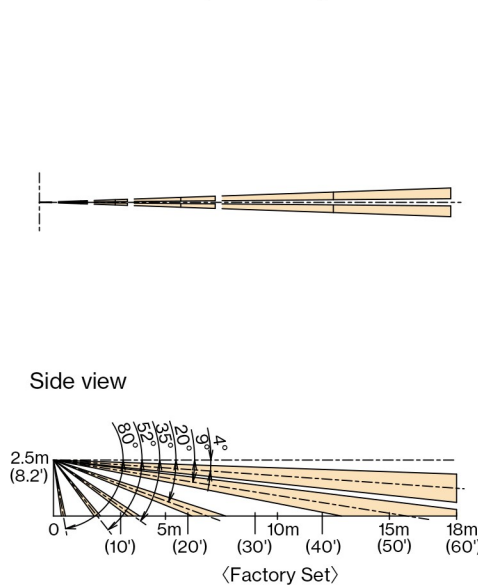
PASSIVE INFRARED SENSOR

■ COVERAGE AND RANGE

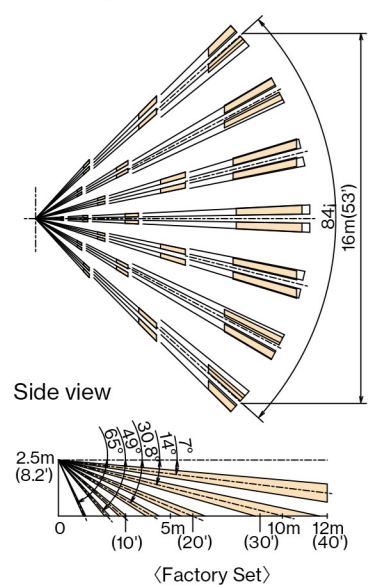
Wide Angle (PA-450EA)



Vertical Curtain (PA-460EA)



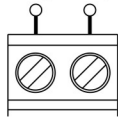
Wide Angle (PA-450PIA)



■ WIRING

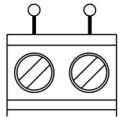
POWER

7to28VDC
8mA
non-polarity



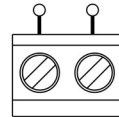
ALARM

N.C./N.O.
24V(AC/DC)
0.25A



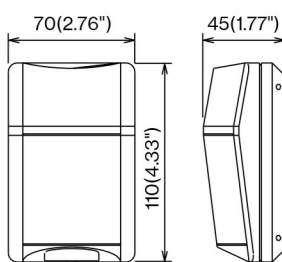
TAMPER

N.C.
30V DC
0.1A

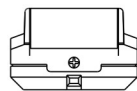
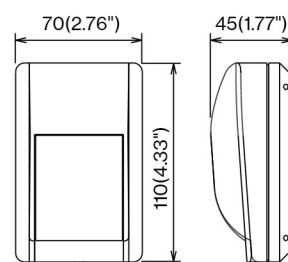


■ EXTERNAL DIMENSIONS mm(inch)

■ PA-450EA / PA-450PIA



■ PA-460EA



■ SPECIFICATIONS

Model	PA-450EA	PA-450PIA	PA-460EA
Detection system	Passive infrared		
Coverage	Wide Angle 12m(40') max.	Wide Angle 12m(40') max.	Vertical curtain 18m(60') max.
Sensitive zone	18 Pairs	29 Pairs	6 Pairs
Supply voltage	7 to 28V DC (non-polarity)		
Current consumption	8mA max.		
Alarm output	Dry contact (Semi-Conductor) (N.C. / N.O. selectable) Reset : Approx. 2sec. Rating : 24V (AC/DC), 0.25A max. (protective resistance 3.3Ω)		
Tamper output	N.C. 30V DC 0.1A		
Alarm LED (Red)	- Blinking at warming up - Lighting at alarm (LED disabled) - Blinking at memory activated (3 min.) - Lighting at memory indication (47 min.)		
Coverage adjustment	Vertically 3 steps		
Sensitivity	60%/80%/100%/120% selectable		
Pulse count	1/2/3/4 selectable		1/2 selectable
Alarm memory	Autoreset : 3 minutes blinking, 47 minutes lighting and automatically reset		
Ambient temperature range	-15°C to + 55°C (+5°F to + 131°F) without condensation		
Mounting position	Indoor use only (ceiling mount with optional attachment BCW-401)		
Weight	90g (3.2oz)		
Appearance	Body : resin(white) Lens : resin(white)		

*The specifications are subject to change without notice.

■ OPTIONAL

- Wall / Ceiling mount attachment
(BCW-401)



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.

TAKEX

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