

PASSIVE INFRARED SENSOR



PA-6812E (Wide angle) / PA-6810E (360° Round)



PA-6820E (Vertical curtain) / PA-6805E (Spot)



Patent pending : 1
Design pending : 1



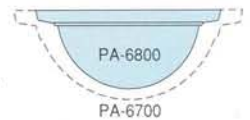
Wall / Ceiling mount
(Optional attachment : BCW-401)

*COMPACT APPEARANCE,
OUTSTANDING PERFORMANCE
AND LOW PRICED*

COMPACT DESIGN

Our high technology provides the world's smallest dome shaped infrared sensor.

Super slim & compact design-120mm in diameter and 47mm in height. 30% smaller than PA-6700 series.



EASY INSTALLATION

Easy separation of the sensor unit and the base unit eases installation and maintenance.

The sensor unit can be snapped into and out of the base unit. One touch operation eases installation in high places.

MIRROR OPTIC (PA-6812E / PA-6820E)

The CAD designed optic with our original simulation software has achieved sharp zones. A rotating mirror ensures efficient detection regardless of the area setting.

SILENT RELAY

Photo-mos FET switch relay adopted at alarm output. Completely noiseless by eliminating the movable part which is inside of the relay.

HIGH STABILITY

Signal processing by the original CPU. Excellent R.F.I. and noise immunity. Good protection against insect intrusion.

SENSITIVITY CHANGEOVER

Sensitivity is adjustable by 4 steps : 60%, 80%, 100%, 120%.

PULSE COUNT CHANGEOVER

Mode selector allows setting for 1, 2, 3 or 4 triggers to initiate an alarm output to suit its application. (PA-6812E / PA-6810E / PA-6805E)

ALARM CONTACT CHANGEOVER

Mode selector allows N/O or N/C contact to be selected.

AUTO/MANUAL MEMORY

Alarm memory can be either automatically or manually controlled.

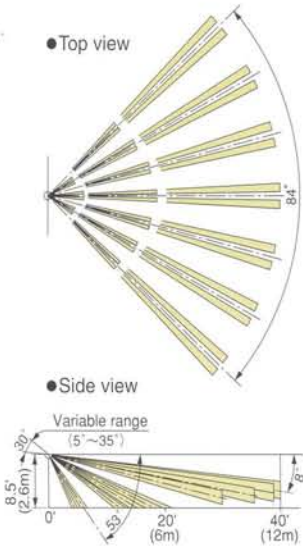
OTHER FEATURES

Distinguishable operation LED - -
Alarm LED : Red, Memory LED : Yellow
Wall / Ceiling mounted with optional attachment BCW-401.

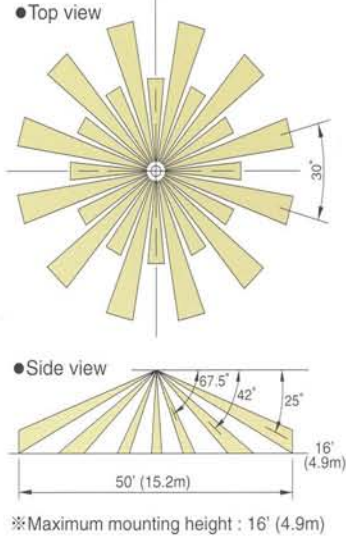
PASSIVE INFRARED SENSOR

COVERAGE AND RANGE

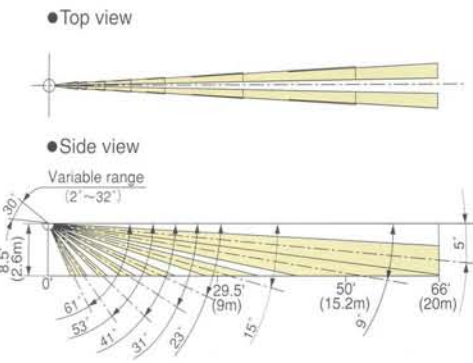
〈PA-6812E (Wide angle)〉



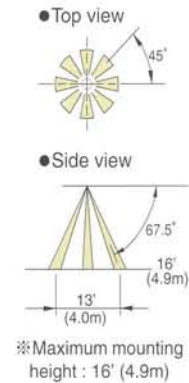
〈PA-6810E (360° Round)〉



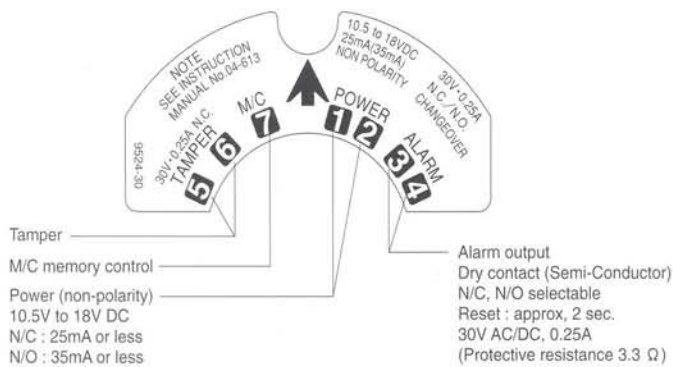
〈PA-6820E (Vertical curtain)〉



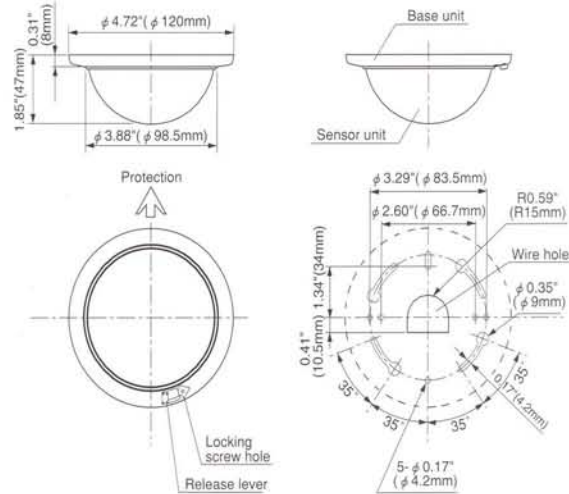
〈PA-6805E (Spot)〉



TERMINAL ARRANGEMENT



EXTERNAL DIMENSIONS



OPTIONAL

- Wall / Ceiling mount attachment BCW-401



SPECIFICATIONS

Model	PA-6812E	PA-6810E	PA-6805E	PA-6820E
Detection system	Passive infrared			
Coverage	Wide angle 40' (12m) Max.	360° Round 50' (φ15.2m) Max.	Spot φ13' (φ4m) Max.	Vertical curtain 66' (20m) Max.
Sensitive zone	17 pairs	33 pairs	9 pairs	8 pairs
Supply voltage	10.5 to 18V DC (non-polarity)			
Current consumption	N / C : 25mA Max. N / O : 35mA Max.			
Alarm signal	Dry contact (Semi-Conductor) (N / C, N / O changeover) Reset : Approx. 2 sec., 30V, 0.25A Max. (protective resistance 3.3Ω)			
Alarm memory	Auto : 3 minutes flashing, 47 minutes lighting and automatically reset Manual : Manual control			
Alarm LED	Red : Flashing at warming up Lighting at alarm (LED disabled)			
Memory LED	Yellow : Flashing at memory activated Lighting at memory indication			
Adjustment	Vertically : 30°		Vertically : 30°	
	Horizontally : 25° (on mounting hole of base)			
Count changeover	1 / 2 / 3 / 4 changeover			
Ambient temperature range	+5° F to +131° F (-15° C to +55° C) without condensation			
Mounting position	Indoor ceiling (wall mount with optional attachment BCW-401)			
Wiring connection	Terminals on separate base unit			
Weight	3.85oz (110g)			
Appearance	Body : ABS resin		Cover : PE resin	
Accessory	Tapping screw : 2 pcs. Sensor locking screw : 1 pcs.			

The specifications are subject to change without notice.

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

LEAF 05-04P12-12

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