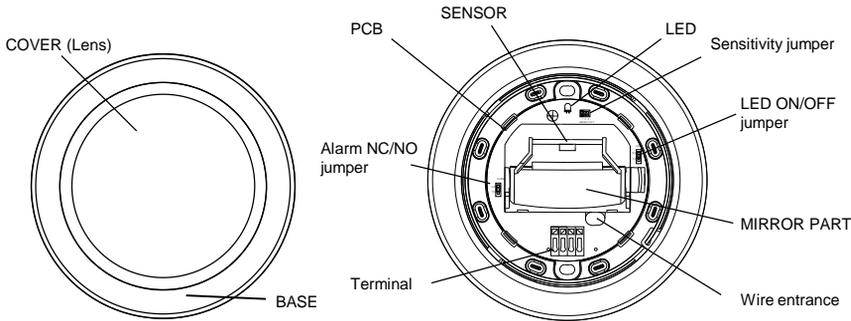


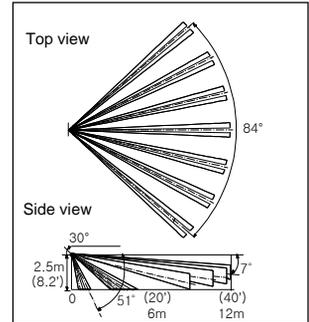
**Passive Infrared Detector
PA-0112**

Notice : This detector is designed to detect an intruder and to sound alarm when detected; it is not to prevent burglary. We are not responsible for damage or losses from accident, theft, natural calamity, misuse, abnormal use, improper installation and bad maintenance.

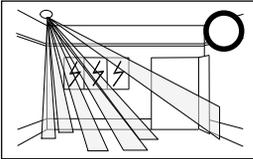
1. Description & Coverage and Range



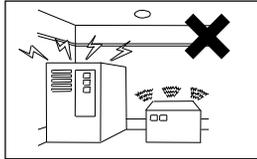
Protection range



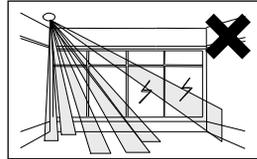
2. Cautions on Installation



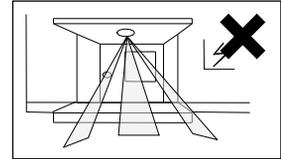
Please install the detector in the desirable detection site.



Please avoid installing it where electric noise and vibration is prevalent.



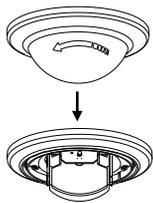
Please avoid direct sunlight to the detector.



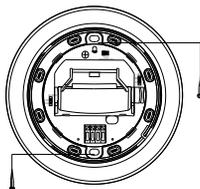
Avoid installing it at outdoor. (indoor only)

3. Installation (Ceiling)

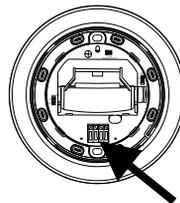
1) Separate the cover from body.



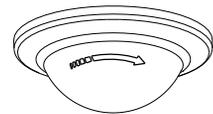
2) Fix it where to install.



3) Connect wires correctly to the plate of terminal.

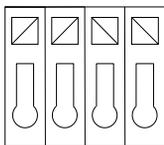


4) Check sensor direction and then close the body cover.



4. Wiring & Jumper setting

- TERMINAL

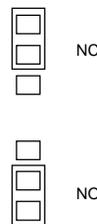


ALARM - +

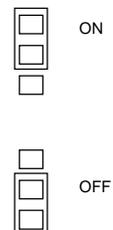
- SENSITIVITY



- ALARM

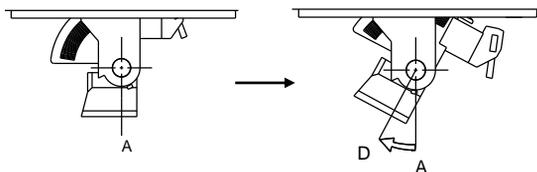


- LED ON/OFF



※ Note: PA-0112 is designed for indoor use only. It cannot be used for outdoor.

5. Pattern Setting



※ Pattern Setting Adjustment

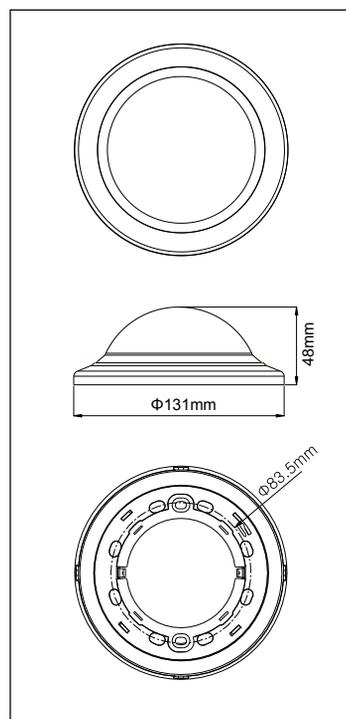
Section	STEP			
	A (0°)	B (12°)	C (20°)	D (36°)
Installation Height (2.5m)	12m	7m	3m	Lower than 2m (back side 0.3m)

6. Troubleshooting

Symptoms	Cause	Solution
LED is not turned on	Lines of electricity source are cut.	Check the wiring
	Electricity source is not correct.	Check if the source is DC 8 ~ 18V.
No contact point although it is set	Broken wire or inner circuit is broken	Check wiring connection
No contact point when detected	Broken wire or inner circuit is broken	Check wiring connection
LED is not working when detected	Broken wire, LED or inner circuit is broken	Check wiring connection
The unit is improperly working	Dirt on the cover	Remove dirt with soft cloth
	When it is exposed to direct ray of light or	Install at a different place or block the light
	When detection was not normal	Adjust the scope of alert

7. Specification & Dimension

Model	PA-0112
Detection System	Passive Infrared motion detecting
Alert Range	3D Detection Alert Range: 12m / 84°
Zone	17 Pairs (34 Zone)
Voltage	DC 8 ~ 18V (Polarity)
Current	20mA (MAX)
Alarm output	Non-voltage contact point output (Select N.C / N.O) Time of contact point : 2 sec ± 0.5 sec Current : AC/DC 30V 0.2A Max (Protection Resistance : 18Ω)
Alarm LED(RED)	Blink when warming up / LED off when setting / LED on when detecting
Temperature	-20°C ~ +60°C
Installation	Indoor
Material	COVER, BASE: ABS Resin, LENS: PE Resin
Dimension	Φ131 x 48 mm
Weight	110g
Features	360° Rotation, Sensitivity Inhibition Control, Temperature Indemnity, Back Side Detection



※ Caution : This specification may be changed without prior notice for development

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