

Mini PIR Detector

PA-4109W



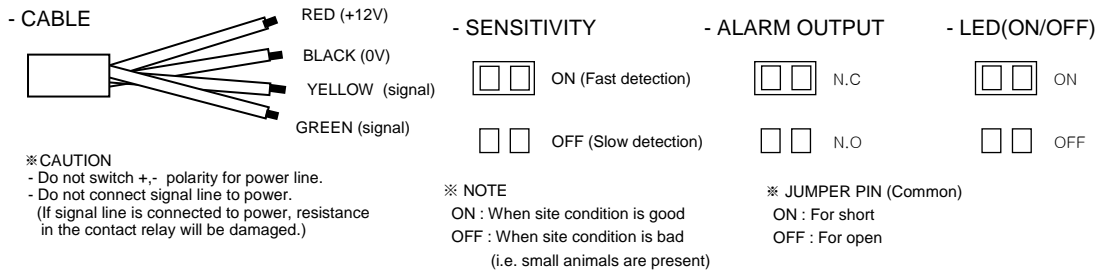
- **Compact Size for Easy Installation**
- **New CPU Design with High Reliability**
- **Selectable Alarm Output NC / NO**
- **Auto Sensitivity Inhibition Control**
- **High Utility Lens to minimize dead zone**
- **Practical Applications with selectable Dip Switch**

PASSIVE INFRARED DETECTOR

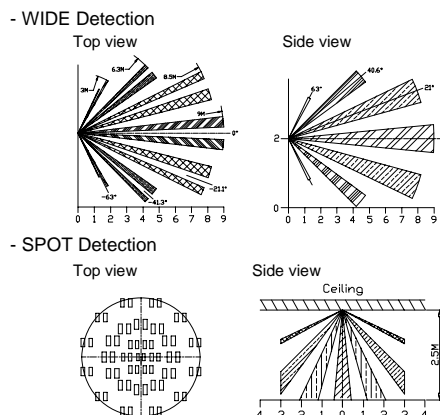
Specifications

Model No.	PA-4109W
Detection Method	Passive Infrared Motion Detecting
Detection Range	WIDE Detection : 9m/ SPOT Detection : 6m(Max) or less
Protection Zone	31 Pair (62 Zone)
Current	20mA(MAX)
Supply Voltage	DC 8 ~ 18V (Polarity)
Alarm Output	Dry contact relay output (N.C / N.O) Delay Time : 2sec(±0.5sec) Contact capacity : AC/DC 30V 0.2A Max (Resistance : 18Ω)
Alarm LED (Red)	Blink when warm up/ Black out for setting/ Light on when alarmed
Temperature	-20℃ ~ 60℃
Adjustment	Vertical : 20°/ Horizontal : ±50° (With Optional Bracket B-4001)
Mounting Site	Indoor
Material	BASE: ABS resin/ COVER: PE resin
Dimensions	39 x 62 x 30 (mm)
Weight	27g

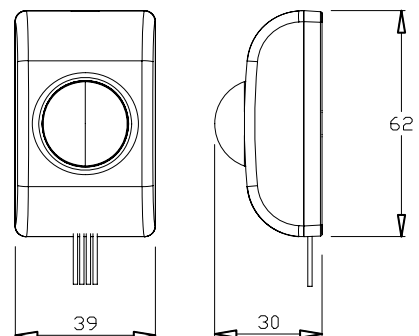
Wiring



Detecting Range



Dimensions



Passive Infrared Detector (PET)

PA-4012P



■ Auto Sensitivity Inhibition Control

In temperature environment where the sensitivity of the sensor can be seriously inhibited, the level of sensitivity is automatically adjusted to ensure reliable security through all seasons.

■ Advanced Pet Immunity

Precise alignment with 92 zones to ensure 30 lbs(15kg) pet immunity

■ Compact Design

Slim shape with wide angle (84° , 15m) and stereoscopic alert function

■ Premium Quality

Signal processing by the original CPU and protection against radio frequency, power line noise and static electricity.

■ Selectable Alarm Contact (N/C, N/O)

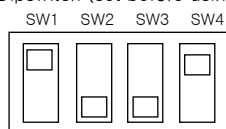
PASSIVE INFRARED DETECTOR

Specifications

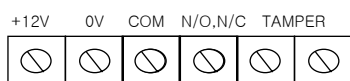
Model No.	PA-4012P
Detection Method	Passive Infrared motion detecting
Protection Range	Stereoscopic alert / alert distance : 12m (Max. 15m) / 84°
Protection Zone	46 Pair (92 Zone)
Current	Stand-by: 25mA(MAX) / Alarm: 10mA(MAX)
Supply Voltage	DC 8 ~ 18V (Polarity)
Alarm Output	Dry contact relay output (N/C, N/O) Delay time : 2±0.5sec Contact Capacity : AC / DC 30V 0.2A Max Protection Resistance: 18Ω
Alarm LED (Green)	Blink when warm up / LED Off when set up / LED On when alarmed
Pet Immunity	Small animals under 30 lbs (15kg) are not detected
Temperature	-20℃ ~ 60℃
Adjustment	Bracket (Optional): Horizontal : ± 50° / Vertical : ± 20°
Mounting Site	Indoor ceiling, wall
Materials	Base: ABS resin, Cover: PE resin
Dimensions	W110 x H65 x D47 (mm)
Weight	68g

Terminal Assignment

Dipswitch (set before using)

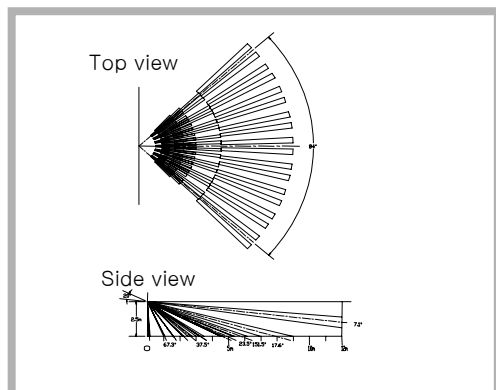


Terminal

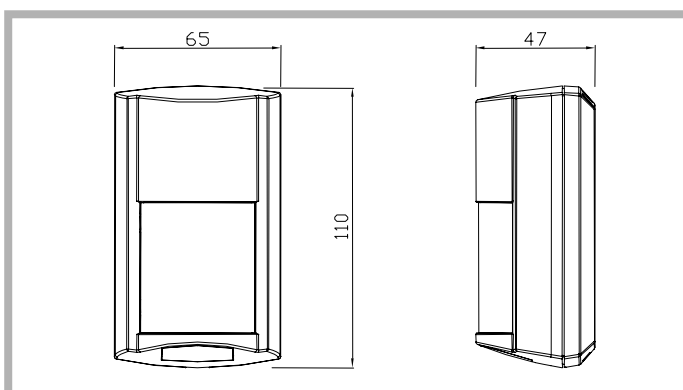


	Function		Default
	ON	OFF	
DIP S/W 1	LED ON	LED OFF	ON
DIP S/W 2	Count 4 times	Count 2 times	OFF
DIP S/W 3	Blink(3min) and light(47min) when alarmed, Red LED when alarm off	No alarm memory	OFF
DIP S/W 4	Relay N/C output	Relay N/O output	ON

Detecting range



Dimension



Passive Infrared Detector (Pet)

PA-0012P



■ Auto Sensitivity Inhibition Control

In temperature environment where the sensitivity of the sensor can be seriously inhibited, the level of sensitivity is automatically adjusted to ensure reliable security through all seasons.

■ Advanced Pet Immunity

Precise alignment with 70 zones to ensure 30 lbs(15kg) pet immunity

■ Selectable Alarm Contact (NC / NO)

■ Premium Quality

Signal processing by the original CPU and protection against radio frequency, power line noise and static electricity.

■ Optional Tamper Output

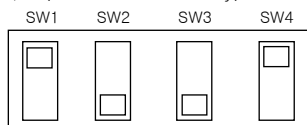
PASSIVE INFRARED DETECTOR

Specifications

Model No.	PA-0012P
Detection Method	Passive Infrared motion detecting
Protection Range	Selectable Angle/Curtain/Left/Right Detection / Standard : 12m (Max. 15m)
Protection Zone	35 Pairs (70 Zone)
Current	DC8 ~ 18V (Polarity)
Supply Voltage	25mA (MAX)
Alarm Output	Dry contact relay output (N/C, N/O) Delay time : 2±0.5sec Contact Capacity : AC / DC 30V 0.2A Max Protection Resistance: 18Ω
Alarm LED (Green)	Blink when warm up / LED Off when set up / LED On when alarmed
Pet Immunity	Small animals under 30 lbs (15kg) are not detected
Temperature	-20°C ~ 60°C
Installation Location	Indoor
Mounting Site	Small animals under 30 lbs (15kg) are not detected
Materials	Base: ABS resin, Cover: PE resin
Dimensions	∅ 131 x 60 mm
Weight	105 g

Terminal Assignment

DIP S/W (Based on Ex Factory)



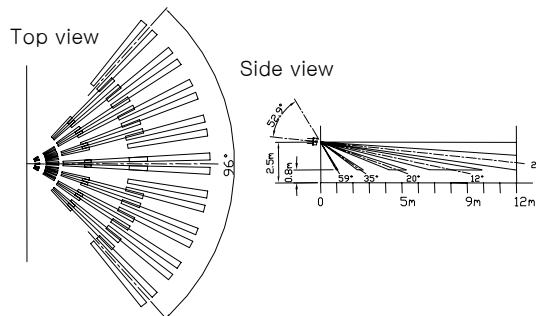
TERMINAL



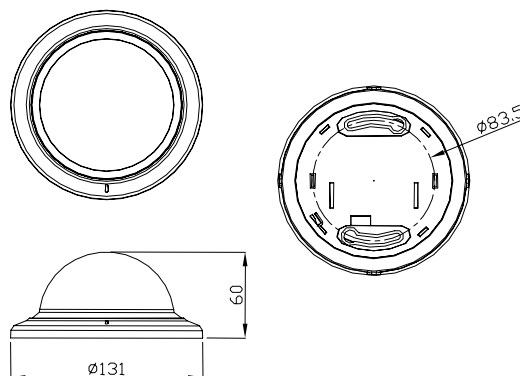
	Function		Default
	ON	OFF	
DIP SW 1	LED ON	LED OFF	ON
DIP SW 2	Count 4 times	Count 2 times	OFF
DIP SW 3	Blink(3min) and light(47min) when alarmed, Red LED when alarm off	No alarm memory	OFF
DIP SW 4	Relay N/C output	Relay N/O output	ON

Detecting range

- Protection range



Dimensions



Passive Infrared Detector

PA-0112



■ Auto Sensitivity Inhibition Control

In temperature environment where the sensitivity of the sensor can be seriously inhibited, the level of sensitivity is automatically adjusted to ensure reliable security through all seasons.

■ Premium Quality

Signal processing by the original CPU and protection against radio frequency, power line noise and static electricity.

■ Reverse Side Detection

360° rotation function offers reverse side detection with no dead zone for detection.

■ Selectable Alarm Contact (NC / NO)

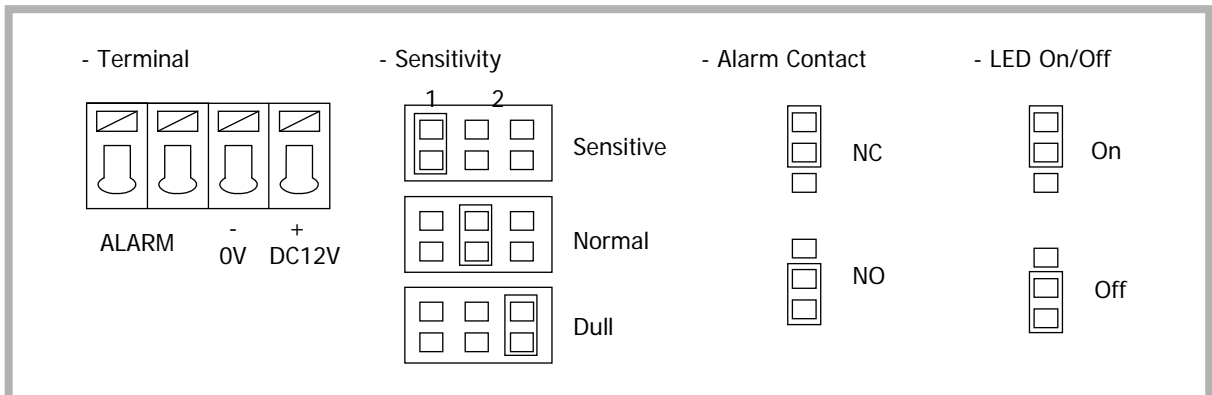
PASSIVE INFRARED DETECTOR

Specifications

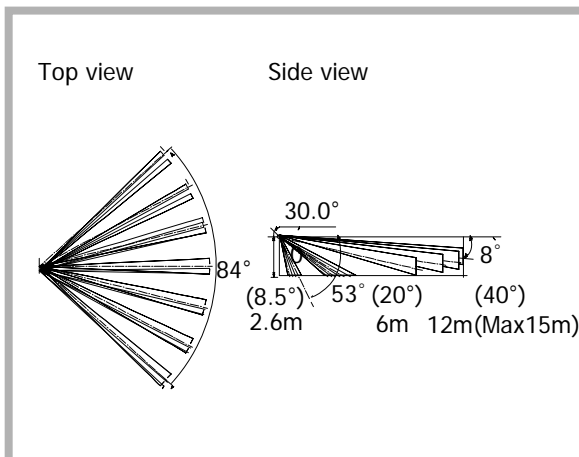
Model No.	PA-0112
Detection Method	Passive Infrared motion detecting
Protection Range	3-Dimensional/ Standard: 12m (Max 15m) / 84° Curtain/ Standard: 12m (Max 15m) / 12°
Protection Zone	17 Pairs (34 Zone)
Current	DC 8 ~ 18V (Polarity)
Supply Voltage	20mA (MAX)
Alarm Output	Dry contact relay output (N/C, N/O), Delay time : 2 ± 0.5 sec Contact Capacity : AC / DC 30V 0.2A Max, Protection Resistance: 18Ω
Alarm LED (Red)	Blink when warm up / LED Off when set up / LED On when alarmed
Temperature	-20°C ~ +60°C
Installation Location	Indoor
Materials	ABS Resin
Dimensions	Φ131x48mm
Weight	110g
Upgraded Function	360° Rotation, Auto Temperature/Sensitivity Control, Reverse Side Detection

※ Note: Above specifications are subject to change without prior notice for improvement.

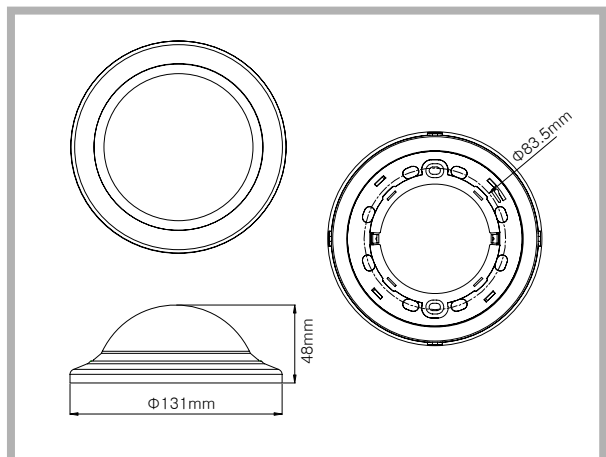
Terminal Assignment



Detecting range



Dimensions



Passive Infrared Detector

PA-0112DD (Directional)



■ For both Directional/Non-Directional

■ Selectable NC/NO Type

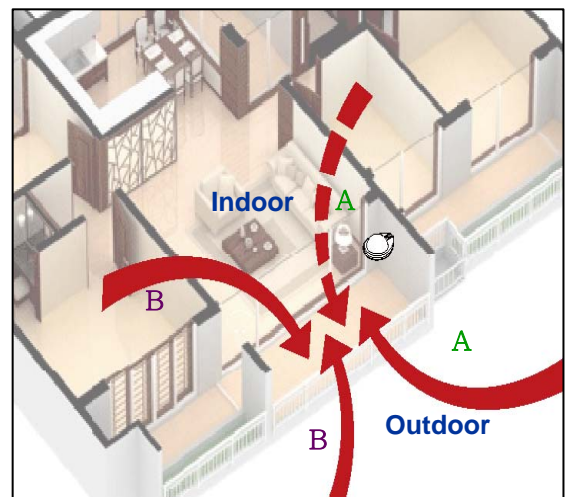
■ 4 Step Timer Setting Function

■ Optional Left/Right Detection

(For non-directional setting)

■ Practical application installation

■ Example) A: Directional , B: Non-Directional



→ ALARM NO ALARM

PASSIVE INFRARED DETECTOR

Specifications

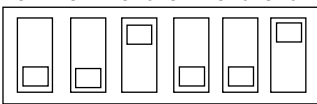
Model No.		PA-0112DD	
Detection Method		Passive Infrared Motion Detecting	
Protection Range		Selectable Directional / Non-Directional Detection : 12m	
Protection Zone		22 Pairs (44 Zone)	
Current		DC8~18V (Polarity)	
Supply Voltage		25mA (MAX)	
Alarm Output		Dry contact relay output (N/C, N/O), Delay time : 2 ± 0.5 sec Contact Capacity : AC / DC 30V 0.2A Max, Protection Resistance: 18 Ω	
Alarm LED	Directional	Green LED	Blink when warm up/ LED on where non-detection area, LED on when delay time
		Red LED	LED off when setting up/ LED on when detected
	Non-Directional	Green LED	Blink when warm up/ LED off when normal
		Red LED	LED off when setting up/ LED on when detected
Temperature		-20 $^{\circ}$ C ~ +60 $^{\circ}$ C	
Installation Location		Indoor ceiling	
Materials		COVER, BASE (ABS resin) / LENS (PE resin)	
Dimensions		ϕ 131 x 48 mm	
Weight		106g	

※ Note: Above specifications are subject to change without prior notice for improvement.

Terminal Assignment

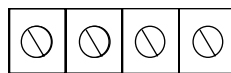
■ DIP SWITCH (Based on EXW)

SW1 SW2 SW3 SW4 SW5 SW6




■ TERMINAL

ALARM GND +12V



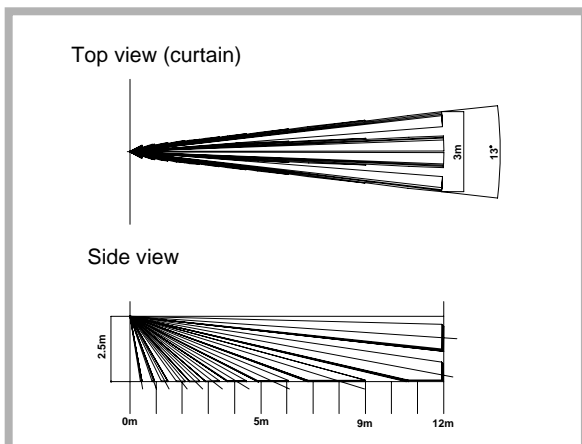
■ Detection Direction Adjustment (JP7)



Outdoor → Indoor ← Outdoor

	Function		Set				
	ON	OFF					
S/W 1	Non-Directional Detection (C)	Directional Detection (D)	OFF				
S/W 2	N.O	N.C	OFF				
S/W 3	LED ON	LED OFF	ON				
S/W 4	Alarm memory ON Flash for 3min, LED on for 47min when alarmed	Alarm memory OFF	OFF				
SW5	<table border="1"> <tr> <td>5sec</td> <td>40sec</td> <td>2min</td> <td>4min</td> </tr> </table>		5sec	40sec	2min	4min	OFF
5sec	40sec	2min	4min				
SW6	<table border="1"> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>						ON
SW6	Two sensors can detect	Only one sensor can detect	OFF				

Detecting range



Dimensions

