TWIN MIRROR PASSIVE INFRARED SENSOR

PA-6614E (Wide angle protection: 14m) $C\epsilon$
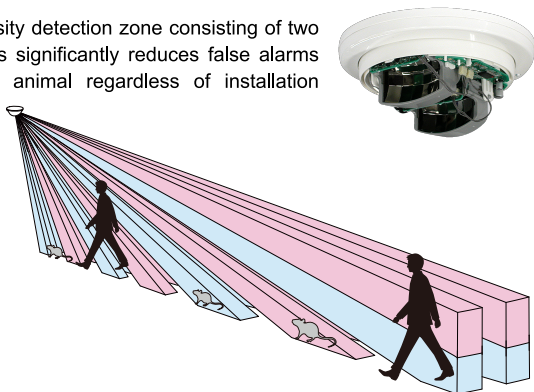

PA-6614E(BL)

Equipped with advanced twin mirror technology to ensure excellent detection performance with pet tolerance

TWIN MIRROR OPTICAL SYSTEM

A high density detection zone consisting of two optical units significantly reduces false alarms from small animal regardless of installation location.

NEXT GENERATION PROCESSING

· New logic mapping provides improved discrimination performance between humans and small animals compared to conventional AND detection and simple pulse count processing.

· Maintains catch performance throughout the summer months even when background temperature is high.

WIDER APPLICATION OPTIONS LOCATION

A geared mirror array allows detection patterns to be optimised across a wide range of installation environments; mount up to 6m in high density mode, or detect up to 14m in standard operation modes.
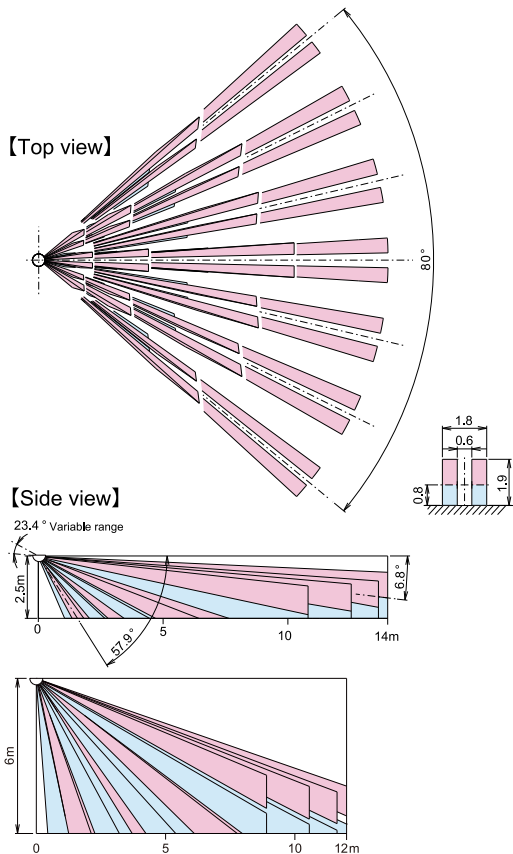
STABLE DETECTION

Dynamic temperature compensation maintains optimal detection sensitivity year-round.
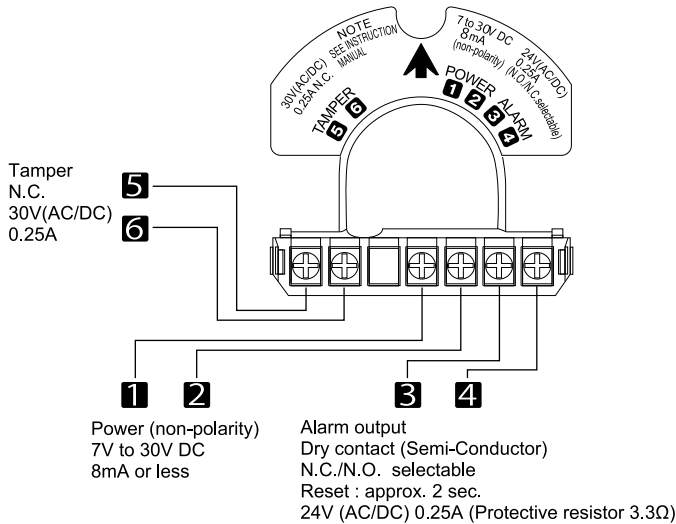
ECO FRIENDLY

· **Wide operation voltage range and low current consumption**
  Designed to operate on 7 to 30VDC with 8mA (max.) current consumption for improved PSU and wiring efficiency.

· **Enhanced surge resistance**
  Reduces damage caused by induced lightning by up to 3x compared to conventional models.

TWIN MIRROR PASSIVE INFRARED SENSOR

■ COVERAGE AND RANGE

【Top view】

80°

1.8
0.6
0.8
1.9

【Side view】

23.4° Variable range

2.5m

0   5   10   14m

57.9°

6.8°

6m

0   5   10   12m

■ TERMINAL ARRANGEMENT

NOTE
SEE INSTRUCTION
MANUAL

7 to 30V DC
8mA
(non-polarity)

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

30V(AC/DC)
0.25A N.C.

POWER   ALARM

TAMPER   5 6   1 2 3 4

Tamper
N.C.
30V(AC/DC)
0.25A

5
6

1 **2**   **3** **4**

Power (non-polarity)
7V to 30V DC
8mA or less

Alarm output
Dry contact (Semi-Conductor)
N.C./N.O. selectable
Reset : approx. 2 sec.
24V (AC/DC) 0.25A (Protective resistor 3.3Ω)

■ OPTIONAL

● Wall mount attachment
  <BCW-401>

● Wall mount attachment
  <BL-5000>

■ EXTERNAL DIMENSIONS   Unit: mm (inch)

8mm(0.31")
φ120mm(φ4.72")

55mm(2.17")

φ98.5mm(φ3.88")

Base unit

Sensor unit

Protection

φ83.5mm(φ3.29")
66.7mm(2.60")

R15mm
(R0.59")

Wire hole
φ9mm
(φ0.35")

34mm
(1.34")

10.5mm
(0.41")

35°   35°
35°   35°

4.2mm(0.17")

Locking
screw hole

Release lever

5-φ4.2mm
(φ0.17")
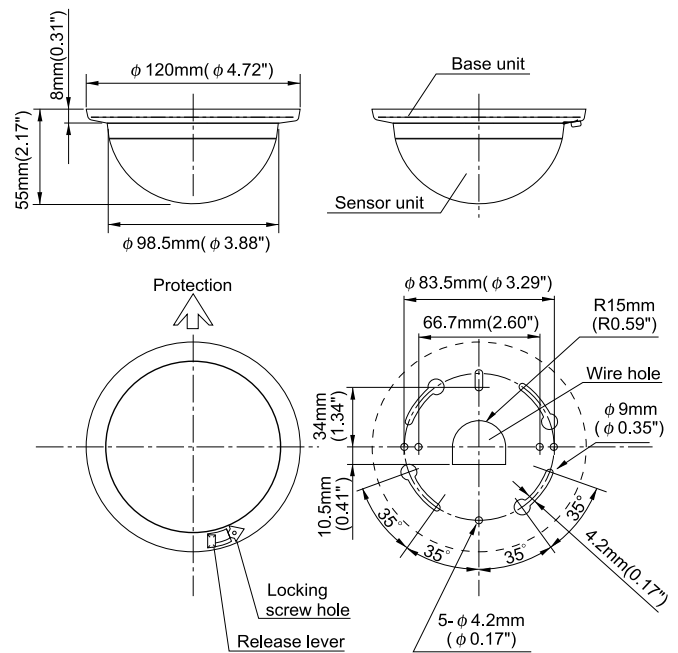
■ SPECIFICATIONS

Model	PA-6614E	PA-6614E(BL)
Detection system	Passive infrared (Twin mirror)	
Coverage	Wide angle 14m Max.	
Sensitive zone	38 pairs	
Supply voltage	7 to 30V DC (non-polarity)	
Current consumption	8mA Max.	
Alarm signal	Dry contact (Semi-Conductor) (N.C. / N.O. selectable) Reset : Approx. 2 sec., 24V (AC/DC) 0.25A (protective resistor 3.3Ω)	
Alarm memory	3 minutes flashing, 47 minutes lighting and automatically reset. (ON/OFF selectable)	
Alarm LED	Red : Flashing at warming up Lighting at alarm (LED can be disabled)	
Memory LED	Yellow : Flashing at memory activated Lighting at memory indication	
Tamper	N.C. 30V(AC/DC) 0.25A	
Adjustment	Vertically : 23° Horizontally : 25°(on mounting hole of base)	
Sensitivity changeover	60% / 80% / 100% / 120% changeover	
Other functions	Self-diagnosis function Temperature compensation	
Ambient temperature range	−15℃ to +55℃ (+5°F to +131°F) without condensation	
Mounting position	Indoor ceiling (wall mount with optional attachment BCW-401)	
Wiring connection	Terminals on separate base unit	
Weight	120g (4.23oz)	
Appearance	Body /Cover : White resin	Body /Cover : Black resin
Accessory	Tapping screw : 2 pcs. Sensor locking screw : 1 pce.	

The specifications are subject to change without notice.

TAKEX