

PASSIVE INFRARED SENSOR

PA-6412PI : Wide angle protection



PA-6412PI Ceiling Mount Mirror Optic Pet Immune Sensor with Simulation Software

The attractive dome design of the PA-6412PI blends in unobtrusively in all locations. Efficient ceiling mount provides ease of installation, plus PULNiX incomparable high quality and performance reliability, ensures a trouble free system.

MIRROR OPTICS

Parabolic Mirror Optics provides clearly defined detection zones.

Rotatable mirror ensures precise setting of detection range.

PET IMMUNITY

Enhanced Discrimination Technology with our new mirror design "Plus Simulation Software" prevents false detection of animals smaller than 40Lbs (18Kg)

INSECT PROTECTION

The PA-6412PI is reliably sealed against the intrusion of insects, dust and drafts by an efficient dome cover and cable entry sealing device.

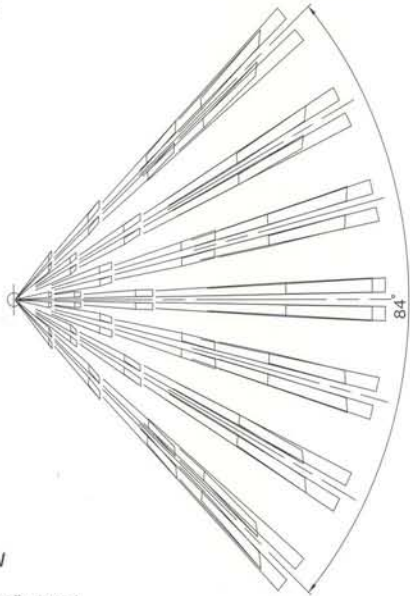
SILENT RELAY

Using a photo-mos FET switch for alarm output eliminates mechanical moving parts and results in complete silent operation.

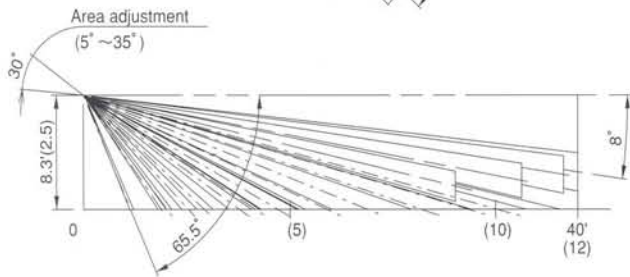
PASSIVE INFRARED SENSOR

COVERAGE RANGE (Unit:ft(m))

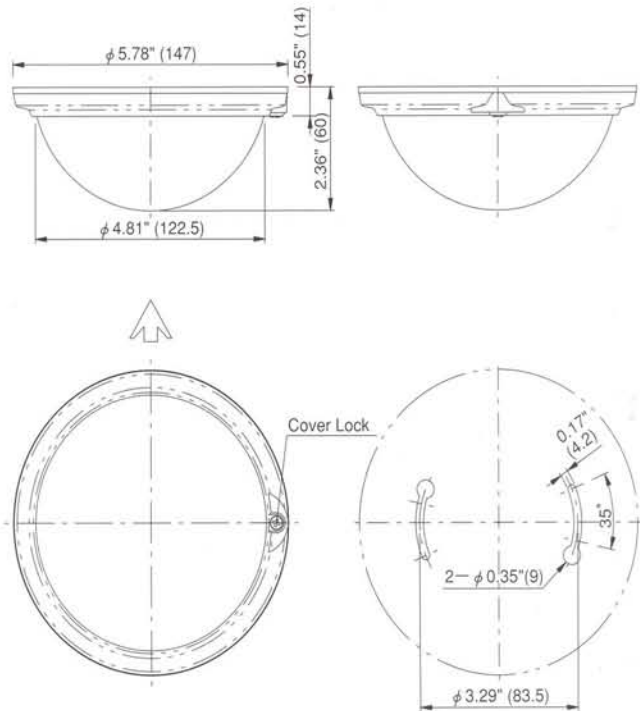
●Top view



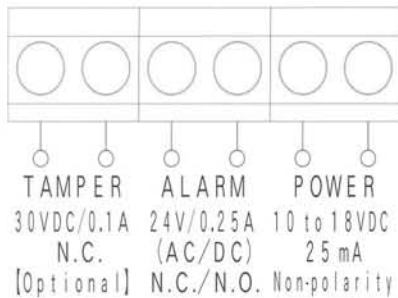
●Side view



EXTERNAL DIMENSIONS (Unit:inch(mm))



TERMINAL ARRANGEMENT



[Allowable wiring distance between sensor and power source]

Size of wire used	Distance at 12VDC
AWG 22 (Dia. 0.65mm)	830ft. (250m)
AWG 20 (Dia. 0.80mm)	1470ft. (450m)
AWG 18 (Dia. 1.00mm)	2300ft. (700m)

SPECIFICATIONS

Model	PA-6412PI
Detection system	Passive infrared
Coverage	Wide angle 40' (12m) / 84' MAX
Sensitive zone	62 (31 pairs)
Supply voltage	10 to 18VDC (non-polarity)
Current consumption	25mA MAX
Alarm output	Dry-contact (Semi-Conductor) N.O./N.C. selectable Reset : Approx. 2sec Rating : 24V, 0.25A MAX Protective resistance : 3.3Ω
Alarm LED (Red)	Blinking at warming up Lighting at alarm
Feature	Pulse count : 2/4selectable Alarm LED disable : Selectable Alarm contact : N.O./N.C. selectable Sensitivity : STD/FINE selectable Area adjustment : Vertical 30° Horizontal 35° (on mounting hole of the base) Low voltage notice : Dry contact alarm
Ambient temperature range	-15°C to +55°C (+5°F to +131°F) without condensation
Mounting position	Indoor ceiling
Wiring connection	Terminal
Weight	160g (5.6oz)
Appearance	Body : ABS rein Cover : PE resin

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. PULNiX 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.

LEAF09-02P18-1

PULNiX

In Japan

Takenaka Engineering Co., Ltd
83-1, Gojo-sotokan,
Higashino, Yamashina-ku,
Kyoto 607-8156, Japan
Tel : 81-75-501-6651
Fax: 81-75-593-3816
<http://www.take-eng.co.jp/>

In the U.S.

Pulnix Sensors Inc.
230 E. Caribbean Drive
Sunnyvale,
CA 94089, U.S.A.
Tel : 408-747-0100
Fax: 408-734-1100
<http://www.pulnixsensors.com/>

In Australia

Pulnix Sensors Inc.
Unit 16, 35 Garden Road,
Clayton, Victoria 3168,
Australia
Tel : 03-9546-0533
Fax: 03-9547-9450
<http://www.pulnixsensors.com.au/>

Pulnix Sensors Inc.
Brisbane office : 1/50 Logan
Road, Woolloongabba
Queensland
4102, Australia
Tel : 07-3891-3344
Fax: 07-3891-3355

In the U.K.

Pulnix Europe Ltd.
Pulnix House, Avairy Court,
Wade Road, Basingstoke,
Hampshire. RG24 8PE, U.K.
Tel : 01256-475555
Fax: 01256-466268
<http://www.pulnix.co.uk/>