

PASSIVE INFRARED SENSOR

Interceptor



PA-450 WIDE ANGLE ; 36' (11m)



PA-460 VERTICAL CURTAIN ; 55' (16.5m)



NEW DESIGN CPU

PULNIX newly developed 4bit exclusive microprocessor for PA-450/460 PIR.

In addition to improvement of pulse count, PA-450/460 is equipped with Auto-reset memory.

HIGH STABILITY

Immunities against Radio frequency, power line noise, Radiation noise and static electricity are improved.

SILENT RELAY

Photo-mos FET switch relay adopted at alarm output. Completely noiseless by eliminating the movable part which is inside of the relay. At the same time, quick response and long life are maintained.

VARIOUS FUNCTIONS

All the models are equipped with Tamper, Auto-reset memory, photo-mos FET switch.

COVERAGE PATTERNS

Series is available in both wide angle and vertical curtain versions.

CREEP ZONE

Zone focused directly below sensor eliminates typical "dead" area just under unit.

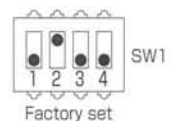
AREA ADJUSTMENT

The coverage pattern can be adjusted to allow for different mounting heights by moving the inner unit.

MODE SELECTOR

Mode selector enables settings very easy.

| No. | 1.COUNT | 2.LED | 3.ALARM | 4.MEMORY |
|-----|---------|-------|---------|----------|
| ☐ | 4 | ON | N.O. | AUTO |
| ◻ | 2 | OFF | N.C. | M/C(OFF) |

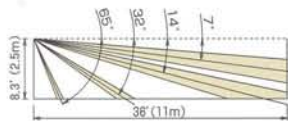
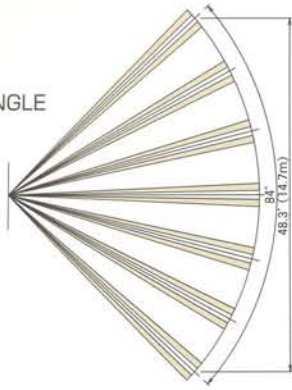


1. Pulse count switch
PA-450 allows to set for either two or four pulse count to initiate an alarm output.
2. Alarm LED ON/OFF switch
3. Alarm contact changeover switch
Alarm output is N.O. and N.C. selectable.
4. Memory Switch
Auto-reset memory can be disabled with this switch.

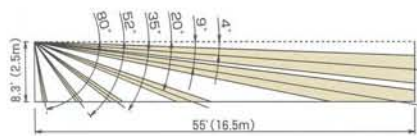
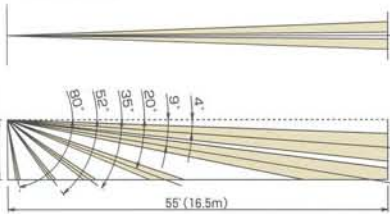
PASSIVE INFRARED SENSOR

COVERAGE

PA-450 WIDE ANGLE



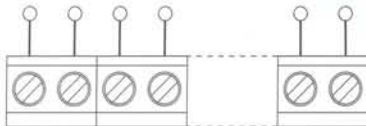
PA-460 VERTICAL CURTAIN



TERMINAL ARRANGEMENT

STANDARD ARRANGEMENT

| POWER | ALARM | TAMPER |
|--------------|-----------|------------|
| 10-18VDC | 24V/0.25A | 30VDC/0.1A |
| 25mA | (AC/DC) | N.C. |
| non-polarity | N.C./N.O. | |

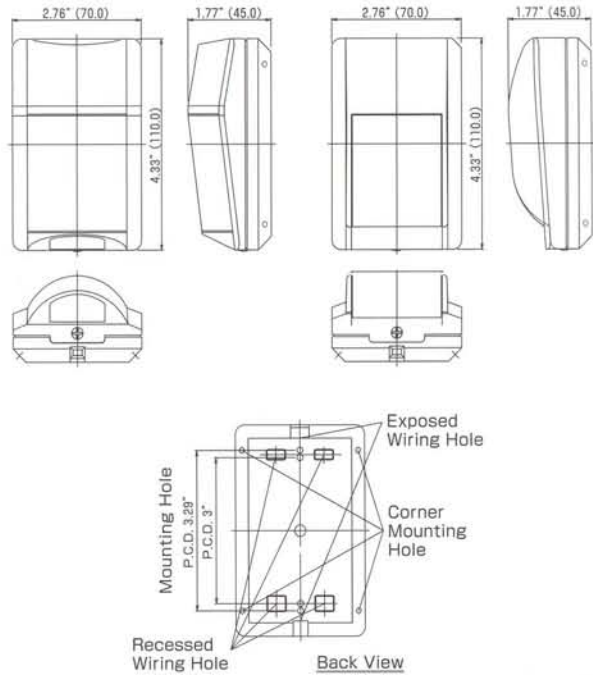


OPTIONAL

Wall / Ceiling mount attachment
BCW-401



EXTERNAL DIMENSIONS (Unit : inch (mm))



SPECIFICATIONS

| Model | PA-450 | PA-460 |
|---------------------------|---|-------------------------------------|
| Detection system | Passive infrared | |
| Coverage | Wide angle 36' (11 m) Max | Vertical curtain 55' (16.5m) Max |
| Sensitive Zone | 18 Pairs | 6 Pairs |
| Supply voltage | 10 to 18V DC (non-polarity) | |
| Current consumption | 25mA Max. | |
| Alarm output | Dry contact (semi-conductor) (N.C./N.O. selectable) Reset : Approx. 2 secs., 24V, 0.25A Max (protective resistance 3.3Ω) | |
| Tamper output | 0.1A 30V N.C. | |
| Alarm LED (Red) | <ul style="list-style-type: none"> Blinking at warming up Lighting at alarm (LED disabled) Blinking at memory activated Lighting at memory indication | |
| Coverage adjustment | Vertically 3steps | |
| Pulse count | 2/4 selectable | 2 |
| Alarm memory | Autoreset : 3minutes blinking, 47minutes lighting and automatically reset | |
| Lowvoltage notice | Dry contact alarm | |
| Ambient temperature range | -15°C to +55°C (+5°F to +131°F) without condensation | |
| Mounting position | Indoor use only (ceiling mount with optional attachment BCW-401) | |
| Weight | 120g (4.2oz) | |
| Appearance | Body : ABS resin Lens : PE resin | |

※The specifications are subject to change without notice.

The passive infrared sensor is designed to detect infrared energy variations caused by the presence of a human body. Therefore, note that similar variations in conditions in protected area, due to other reasons, may cause the sensor to create an alarm as it is unable to distinguish between sources.

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.

LEAF 05-02P15-6

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.takey-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, Aviary Court,
Wade Road, Basingstoke,
Hampshire, RG24 8PE, U.K.
Tel : 01256-475555
Fax : 01256-466268
<http://www.pulnix.co.uk/>