PASSIVE INFRARED SENSOR

Our high technology provides the world's smallest dome shaped infrared sensor. Super slim & compact design-4.72'(120mm) in diameter and 1.85'(47mm) in height. 30% smaller than PA-6700 series.

EASY INSTALLATION
Easy separation of the sensor unit and the base unit eases installation and maintenance. The sensor unit can be snapped into and out of the base unit. One touch operation eases installation in high places.

MIRROR OPTIC (PA-6812E / PA-6820E)
The CAD designed optic with our original simulation software has achieved sharp zones. A rotating mirror ensures efficient detection regardless of the area setting.

SILENT RELAY
Photo-mos FET switch relay adopted at alarm output. Completely noiseless by eliminating the movable part which is inside of the relay.

COMPACT DESIGN
Signal processing by the original CPU. Excellent R.F.I and noise immunity. Good protection against insect intrusion.

SENSITIVITY SELECTABLE
Sensitivity is adjustable by 4 steps: 60%, 80%, 100%, 120%.

PULSE COUNT SELECTABLE
Mode selector allows setting for 1, 2, 3 or 4 triggers to initiate an alarm output to suit its application. (PA-6812E / PA-6810E / PA-6805E)

ALARM CONTACT SELECTABLE
Mode selector allows N.O. or N.C. contact to be selected.

REMOTE LED CONTROL
Alarm LED can be disabled by external contact switch.

AUTO ALARM MEMORY
Alarm memory can be auto-reset or disabled by mode selector.

OTHER FEATURES
PASSIVE INFRARED SENSOR

COVERAGE AND RANGE

- **PA-6812E (Wide angle)**
  - Top view
  - Side view
  - Variable range
  - Maximum mounting height: 16’ (4.9m)

- **PA-6810E (360° Round)**
  - Top view
  - Side view
  - Variable range
  - Maximum mounting height: 16’ (4.9m)

- **PA-6820E (Vertical curtain)**
  - Top view
  - Side view
  - Variable range
  - Maximum mounting height: 16’ (4.9m)

- **PA-6805E (Spot)**
  - Top view
  - Side view
  - Variable range
  - Maximum mounting height: 16’ (4.9m)

TERMINAL ARRANGEMENT

- Tamper N.C.
  - 30V (AC/DC) 0.25A
- L/C LED Control
  - 10.5 – 28V DC 25mA or less
  - The power supply used with this unit must have a minimum 4 hours stand-by power capability.

EXTERNAL DIMENSIONS

- **PA-6812E (Wide angle)**
  - Top view
  - Side view
  - Dimensions: 3.29” (83.5mm) x 1.34” (34mm)
- **PA-6810E (360° Round)**
  - Top view
  - Side view
  - Dimensions: 7BSJBCMFSBOHF x 4.2mm (R15mm)
- **PA-6820E (Vertical curtain)**
  - Top view
  - Side view
  - Dimensions: 1.85” (47mm) x 0.31” (8mm)
- **PA-6805E (Spot)**
  - Top view
  - Side view
  - Dimensions: 98.5mm x 98.5mm

OPTIONAL

- Wall mount attachment (BCW-401)
- Wall mount attachment (BL-5000)

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Product name</th>
<th>PASSIVE INFRARED SENSOR</th>
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<tbody>
<tr>
<td>Model</td>
<td>PA-6812E</td>
</tr>
<tr>
<td>Detection system</td>
<td>Passive infrared</td>
</tr>
<tr>
<td>Coverage</td>
<td>Wide angle 40° (12m) Max.</td>
</tr>
<tr>
<td>Sensitive zone</td>
<td>17 pairs</td>
</tr>
<tr>
<td>Supply voltage</td>
<td>10.5 – 28V DC (non-polarity)</td>
</tr>
<tr>
<td>Current consumption</td>
<td>25mA Max. (+2mA at L/C use)</td>
</tr>
<tr>
<td>Alarm signal</td>
<td>Dry contact (Semi-Conductor) (N.C. / N.O. selectable)</td>
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<tr>
<td>Alarm memory</td>
<td>3 minutes flashing, 47 minutes lighting and automatically reset</td>
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<tr>
<td>Alarm LED</td>
<td>Red : Flashing at warming up</td>
</tr>
<tr>
<td>Memory LED</td>
<td>Yellow : Flashing at alarm (LED disabled) Lighting at alarm memory</td>
</tr>
<tr>
<td>Adjustment</td>
<td>Vertically : 30°</td>
</tr>
<tr>
<td></td>
<td>Horizontally : 25° (on mounting hole of base)</td>
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<tr>
<td></td>
<td>1 / 2 / 3 / 4 selectable</td>
</tr>
<tr>
<td>Ambient temperature range</td>
<td>+5°F to +131°F (-15°C to +55°C) without condensation</td>
</tr>
<tr>
<td>Mounting position</td>
<td>Indoor ceiling (wall mount with optional attachment BCW-401)</td>
</tr>
<tr>
<td>Wiring connection</td>
<td>Terminals on separate base unit</td>
</tr>
<tr>
<td>Weight</td>
<td>3.85oz (110g)</td>
</tr>
<tr>
<td>Appearance</td>
<td>Body : ABS resin</td>
</tr>
</tbody>
</table>

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. TAKEX 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.

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