NEW GENERATION WALL MOUNT PASSIVE INFRARED SENSOR

PA-470L FEATURES

QUAD ELEMENT+ NEW FUZZY LOGIC PROCESSING SYSTEM
“Fuzzy Logic” is the state-of-the-art processing system that simulates the human decision process as it compares various information such as size, temperature differential, etc. to determine the criteria for an alarm condition. This reduces false alarm while maintaining a high detection capability.

PATTERN SELECTABLE WITH INTERCHANGEABLE LENS
Wide angle / long range pattern is selectable during installation by convenient fresnel lens replacement. Spare long range lens is included in package. Zone changeover switch sets the detection pattern to match the lens pattern when lens is changed.

TROUBLE ALARM - LOW VOLTAGE -
When sensor detects a drop in supply voltage, the alarm relay and LED latches in alarm until voltage is restored to its proper level.

ALARM MEMORY
Units contain special circuitry to indicate an alarm has been activated during armed period. Especially useful when more than one unit is used per zone.

REMOTE LED CONTROL
Allows the LED to be enabled/disabled via the control panel.
* Alarm LED disable (ON/OFF)
* Alarm contact selectable (N.C./N.O.)
* Sensitivity adjustment (60%, 80%, 100%, 120%)
* Zone changeover (Wide angle/long range)
* Anti-creep zone

PA-480S FEATURES

WALL MOUNT 180° COVERAGE
Two twin elements cover 90° each to create a full 180° pattern. Each 90° area can be vertically adjusted up or down to create the required coverage pattern.

TROUBLE ALARM - LOW VOLTAGE -
When sensor detects a drop in supply voltage, a trouble alarm is initiated.

* Alarm LED disable (ON/OFF)
* Signal count selectable (2 signals / 4 signals)
* Anti-creep zone
PASSIVE INFRARED SENSOR

**COVERED**
- PA-470L
  - TOP VIEW / WIDE ANGLE
- PA-480S
  - TOP VIEW / WIDE ANGLE

**TERMINAL ARRANGEMENT**

**EXTERNAL DIMENSIONS**

**SPECIFICATIONS**

The specifications are subject to change without notice.

<table>
<thead>
<tr>
<th>Model</th>
<th>PA-470L</th>
<th>PA-480S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detection</td>
<td>Passive infrared (Quad • Fuzzy logic)</td>
<td>Passive infrared (Twin element • pulse count)</td>
</tr>
<tr>
<td>Coverage</td>
<td>Wide angle 53 Max (10m)</td>
<td>Long range 66 Max (20m)</td>
</tr>
<tr>
<td>Number of sensitive zone</td>
<td>22 pairs (88)</td>
<td>2 pairs (8)</td>
</tr>
<tr>
<td>Mounting positions</td>
<td>Indoor wall / pillar</td>
<td></td>
</tr>
<tr>
<td>Supply voltage</td>
<td>9 to 16 V DC (non-polarity)</td>
<td></td>
</tr>
<tr>
<td>Power consumption</td>
<td>28mA Max</td>
<td>32mA Max</td>
</tr>
<tr>
<td>Alarm output</td>
<td>Dry contact relay (N.C., N.O. selectable)</td>
<td>Dry contact relay (N.C.)</td>
</tr>
<tr>
<td>Temper output</td>
<td>Reset : approx. 2 sec.</td>
<td>Reset : approx. 2 sec.</td>
</tr>
<tr>
<td>Alarm LED</td>
<td>Red LED</td>
<td>Red LED</td>
</tr>
<tr>
<td>Memory control</td>
<td>Controls memory indication / reset with terminal M/C</td>
<td>Controls alarm LED indication with terminal L / C</td>
</tr>
<tr>
<td>LED control</td>
<td>Controls alarm LED</td>
<td>Controls alarm LED</td>
</tr>
<tr>
<td>Trouble alarm</td>
<td>Low power voltage : monitors drop in power voltage</td>
<td>Operate : initiate trouble alarm</td>
</tr>
<tr>
<td>Ambient temp. range</td>
<td>+14°F to +122°F (-10°C to +50°C) without condensation</td>
<td></td>
</tr>
<tr>
<td>Wiring</td>
<td>Terminals</td>
<td></td>
</tr>
<tr>
<td>Area adjustment</td>
<td>Downward 5 positions</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>5.8oz. (165g)</td>
<td></td>
</tr>
<tr>
<td>Accessory</td>
<td>Fixing screw : 4 X 30 2pcs.</td>
<td>Fixing screw : 4 X 30 2pcs.</td>
</tr>
</tbody>
</table>

Please Note: This sensor is designed to detect intrusion and to initiate an alarm; it is not a burglary or a crime preventing device. TAKEEX is not responsible for damage, injury or losses caused by accident, theft, Acts of God (including inductive surge by lighting), abuse, misuse, abnormal usage, faulty installation or improper maintenance.

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