Synthesized Intelligent PIR
SIP-3020/5 SIP-4010/5 SIP-404/5

The SIP-3020/5, SIP-4010/5 and SIP-404/5 are designed for detection applications outdoors to trigger video transmission systems and PTZ camera control.

These detectors have an intelligent detection system that uses data from the ambient environment, such as temperature and illuminance conditions, to automatically adjust the sensitivity. They are also equipped with anti-rotation and anti-masking functions, which can detect vandalism or tampering with the unit.

Units in this series have an additional PIR detector on the bottom to cover the area just below the unit. The PIR detector on the bottom has independent output separate from the main detection.

For video surveillance applications, the detection area should be within the camera’s field of view in order to ensure that an intruder who triggers the alarm is seen. The detection angle in the main area of the SIP-3020/5, SIP-4010/5 and SIP-404/5 can be adjusted to easily match the camera field of view. And, the creep zone detector can be used for detection below and around the unit.

FEATURES
- Intelligent PIR Detection System
  - Detection of ambient temperature and illuminance for automatic sensitivity management
  - Advanced detection algorithm
  - Three dual pyro-elements with patented Double Conductive Shielding for main area
  - Built-in creep zone detector [Double dual pyro-elements]
  - Anti-vandalism functions
    - Anti-rotation function with 3-axis accelerometer
    - Anti-masking function with photo-beam
    - Reinforced polycarbonate housing
    - Max. 4m (13.1ft) installation height

- Independent sensitivity selector for creep/near/far areas
- Detection logic selector
- Detection range selector
- Independent N/C and N/O outputs
- Adjustable alarm interval time
- BS8418 Compliant - U.K.

OPTIONS
AVF-1 Area View Finder
SIP-HU Heating Unit (When the SIP-HU is used, the power for SIP series should be 22-26VAC.)
OPM-WT Audio Walk Tester
SIP-MINI HOOD Sun/Snow shield

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>SIP-3020/5</th>
<th>SIP-4010/5</th>
<th>SIP-404/5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detection method</td>
<td>Passive infrared</td>
<td>Passive infrared</td>
<td>Passive infrared</td>
</tr>
<tr>
<td>Coverage (main area)</td>
<td>30 x 20 m [100 x 65 ft]</td>
<td>40 x 10 m [130 x 33 ft]</td>
<td>40 x 4 m [130 x 13 ft]</td>
</tr>
<tr>
<td>Coverage (creep zone)</td>
<td>3x 3m [10 x 18 ft] installed or 2.3m [7.6 ft] height, 6 x 9m [20 x 30 ft] installed at 6m [19.7 ft] height, Detection angle adjustable horizontally</td>
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<tr>
<td>Power input</td>
<td>11.1VDC, 22-26VAC, 22-26VAC with optional heating unit</td>
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<tr>
<td>Current draw</td>
<td>40mA max. [12VDC], 70mA max. [24VAC], 415mA max. [12VAC] with optional heating unit</td>
<td></td>
<td></td>
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<tr>
<td>Mounting height</td>
<td>2 to 4 m [6.6 to 13 ft]</td>
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<tr>
<td>Sensitivity selector</td>
<td>For: SH/H/M/L Near: SH/H/M/L Creep zone: SH/H/M/L</td>
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<tr>
<td>Range selector</td>
<td>Far area: On/Off</td>
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<tr>
<td>Detection logic selector</td>
<td>ANS / OR</td>
<td></td>
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<tr>
<td>Alarm output (main area)</td>
<td>N.O., N.C., 24VDC 0.2A max.</td>
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<tr>
<td>Alarm interval period</td>
<td>Off/15, 30, 60 sec.</td>
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<tr>
<td>Trouble output</td>
<td>N.C., 24 VDC 0.2 A max.</td>
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<tr>
<td>Tamper output</td>
<td>N.C., 24 VDC 0.1 A max.</td>
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<tr>
<td>Alarm period</td>
<td>Approx. 2 sec.</td>
<td></td>
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<tr>
<td>Warm-up period</td>
<td>Approx. 60 sec.</td>
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<tr>
<td>Operating temperature</td>
<td>-25 to +60 °C, -40 to +60 °C with optional heating unit, 41 to +140 °C, -40 to +140 °C with optional heating unit</td>
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<tr>
<td>P rating</td>
<td>Max. unit P45</td>
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<tr>
<td>Dimensions (H x W x D)</td>
<td>248 x 102 x 264mm [9.8 x 4.0 x 10.5 in.]</td>
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<tr>
<td>Weight</td>
<td>1.4kg [3.1 lb]</td>
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* Specifications and design are subject to change without prior notice.
DETECTION AREAS

SIP-3020/5

SIP-4010/5

SIP-404/5

The detection angle of the creep zone can be adjusted 135° horizontally as shown in gray.

DIMENSIONS

unit: mm (Inch)

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