REGENERATION FOR INDOOR DETECTION

CDX series

GRADE 3 INDOOR DETECTOR

CDX-DAM 15m x 15m wide PIR & MW detector with Anti-mask
CDX-NAM 24m x 2m long range PIR detector with Anti-mask
CDX-AM 15m x 15m wide PIR detector with Anti-mask

Digital Quad Zone Logic

CDX series has 82 dense zones. In the detection coverage, 4 or more zones must be crossed to distinguish between human and small animal detection. In addition, newly developed digital MPU "CORE PLATFORM" provides more accurate detection.

Active IR Digital Anti-Masking

CDX series uses AIR technology to detect masking. To realize a stable performance, CDX series differentiate between true masking and other masking caused by environmental changes such as dust/dirt adhesion, temperature changes and direct light by optimizing its sensitivity.

Tough Microwave Module

Most of combination detectors use an universal MW module. OPTEX developed an original MW module specially designed for security detector. This stabilize the detection performance from natural degradation to realize a long operating life.

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Tough Microwave Module

Most of combination detectors use an universal MW module. OPTEX developed an original MW module specially designed for security detector. This stabilize the detection performance from natural degradation to realize a long operating life.
Quick setting
Plug-in EOL Unit (OPTION)
3 types of signals - Alarm, Trouble and Tamper - can be recognized by Plug-in EOL unit. Only a simple plug-in setting is required to enjoy this function.

Quick installation
Spacious Wiring Guide
Spacious wiring guide located in the rear of the detector provides an aesthetic installation and also leaves a flexibility to adjust detector location after wiring.

Quick exchange
Interchangeable Main Unit
By incorporating an interchangeable main unit, CDX series can easily be switched to another model across the series according to customer’s request.

Double Conductive Shielding
(CDX-AM/DAM only)
By using our Double Conductive Shielding, the visible light disturbance and RFI can be blocked.

Sharply-directed MW Technology
(CDX-DAM only)
Conventional MW technology can emit an unwanted detection area. Sharply-directed MW technology eliminated those areas to create detection area close to PIR.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>CDX-NAM</th>
<th>CDX-AM</th>
<th>CDX-DAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detection method</td>
<td>Passive Infrared</td>
<td>Passive Infrared &amp; Microwave</td>
<td>Passive Infrared &amp; Microwave</td>
</tr>
<tr>
<td>Detector standard</td>
<td>EN50131-2-2 (Grade 3)</td>
<td>EN50131-2-4 (Grade 3)</td>
<td>EN50131-2-4 (Grade 3)</td>
</tr>
<tr>
<td>Masking detection method</td>
<td>AIR type</td>
<td>AIR type</td>
<td>AIR type</td>
</tr>
<tr>
<td>PIR Coverage (Detection zones)</td>
<td>24m x 2m (80ft. x 7ft.) narrow (20 zones)</td>
<td>15m x 15m (50ft. x 50ft.) 85° wide (82 zones)</td>
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</tr>
<tr>
<td>Power supply</td>
<td>9 - 18VDC</td>
<td>9 - 18VDC</td>
<td>9 - 18VDC</td>
</tr>
<tr>
<td>Current consumption</td>
<td>17mA (normal) / 20mA (max.)</td>
<td>19mA (normal) / 26mA (max.)</td>
<td>17mA (normal) / 20mA (max.)</td>
</tr>
<tr>
<td>at 12V DC</td>
<td>at 12V DC</td>
<td>at 12V DC</td>
<td>at 12V DC</td>
</tr>
<tr>
<td>Alarm output</td>
<td>N.C., 28V DC 0.2A max.</td>
<td>N.C., 28V DC 0.2A max.</td>
<td>N.C., 28V DC 0.2A max.</td>
</tr>
<tr>
<td>Tamper switch</td>
<td>N.C. Opens when cover is removed of the wall tamper switch operates. 28V DC 0.1A max.</td>
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<td>N.C. Opens when cover is removed of the wall tamper switch operates. 28V DC 0.1A max.</td>
</tr>
<tr>
<td>Trouble output</td>
<td>N.C., 28V DC 0.2A max.</td>
<td>N.C., 28V DC 0.2A max.</td>
<td>N.C., 28V DC 0.2A max.</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-10°C - +45°C (14°F - 122°F)</td>
<td>-10°C - +45°C (14°F - 122°F)</td>
<td>-10°C - +45°C (14°F - 122°F)</td>
</tr>
<tr>
<td>Environmental humidity</td>
<td>95% max.</td>
<td>95% max.</td>
<td>95% max.</td>
</tr>
<tr>
<td>RF interference</td>
<td>No alarm 10V/m</td>
<td>No alarm 10V/m</td>
<td>No alarm 10V/m</td>
</tr>
<tr>
<td>Mounting height</td>
<td>1.8 - 2.4m (6 - 8ft.)</td>
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<td>1.8 - 2.4m (6 - 8ft.)</td>
</tr>
<tr>
<td>Weight</td>
<td>180g (6.3oz)</td>
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<td>180g (6.3oz)</td>
</tr>
<tr>
<td>Dimensions (HxWxD)</td>
<td>140 x 70 x 52.3 mm (5.51 x 2.76 x 2.06 inches)</td>
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</tr>
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*Specifications and design are subject to change without prior notice.

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