

REGENERATION FOR INDOOR DETECTION

GRADE 3 INDOOR DETECTOR

CDX series

CDX-DAM 15 x 15m wide PIR & MW detector with Anti-mask

CDX-NAM 24x 2m long range PIR detector with Anti-mask

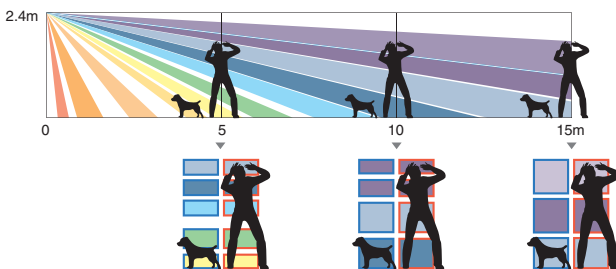
CDX-AM 15 x 15 m wide PIR detector with Anti-mask



CORETECH™



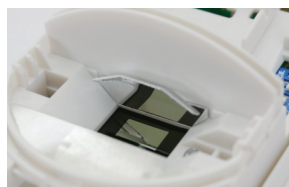
DIGITAL QUAD ZONE LOGIC



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.

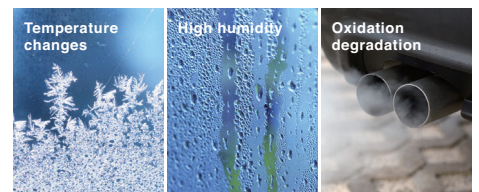
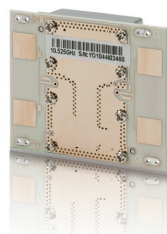
DIGITAL ANTI - MASKING

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.



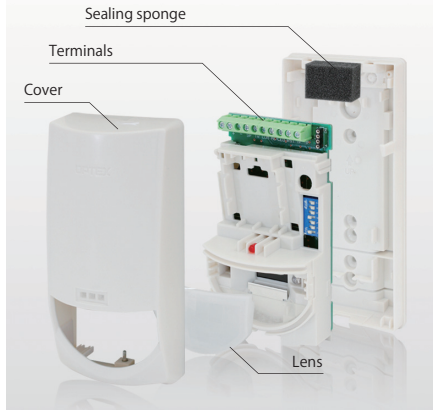
TOUGH MW MOD

Most of the combination detectors use a universal MW module. OPTEX developed specialized MW module for security detector to stabilize the detection performance from environmental degradation factors and realize a long operating life.



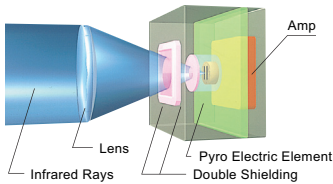
GRADE 3 INDOOR DETECTOR

CDX series



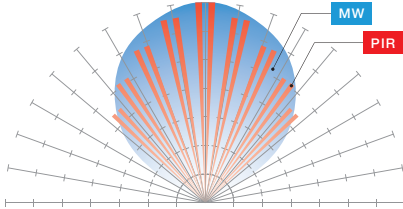
Double Conductive Shielding (CDX-AM/DAM only)

By using our Double Conductive Shielding, the visible light disturbance and RFI can be blocked.



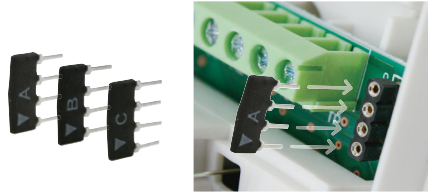
MW area shaping technology (CDX-DAM only)

Conventional / MW technology emits an unwanted detection area. OPTEX MW Area Shaping Technology eliminates those areas and creates matching area to PIR.



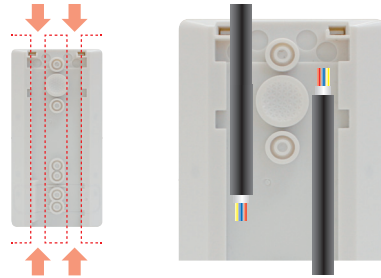
Quick setting Plug-in EOL

3 types of signals - Alarm, Trouble and Tamper - can be recognized by Plug-in EOL. This requires a simple plug-in setting to enjoy this function.



Quick installation Spacious Wiring Guide

Spacious wiring guide on the rear of the detector provides an aesthetically acceptable wiring and easily achieve a fine adjustment of the position of the detector.



Quick exchange Interchangeable Main Unit

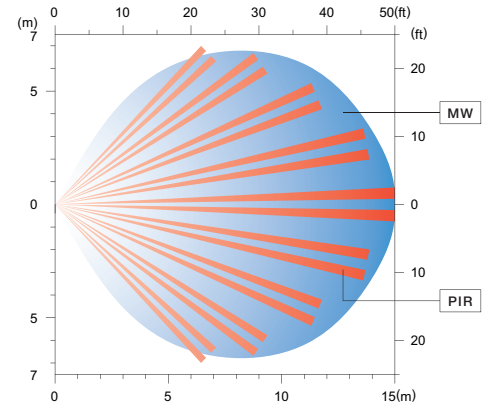
By incorporating an interchangeable main unit, CDX series can easily move to another model across the series according to customer's request.



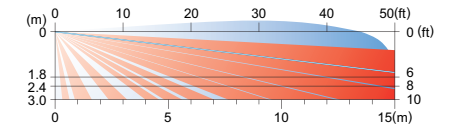
COVERAGE

WIDE ANGLE (CDX-AM/DAM)

TOP VIEW

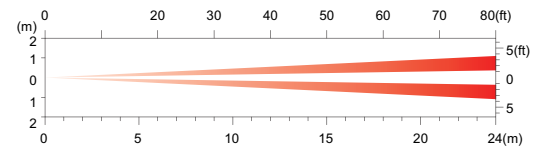


SIDE VIEW

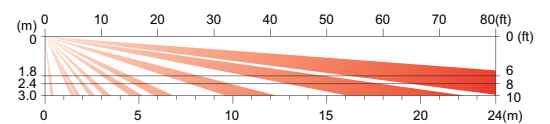


LONG RANGE (CDX-NAM)

TOP VIEW



SIDE VIEW

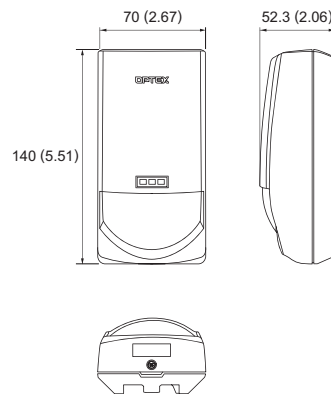


SPECIFICATIONS

| Model | CDX-AM | CDX-DAM | CDX-NAM |
|--------------------------------|---|---------------------------------------|---------------------------------------|
| Detection method | Passive infrared | Passive infrared & Microwave | Passive infrared & Microwave |
| Detector standard | EN50131-2-2 (Grade 3) | EN50131-2-4 (Grade 3) | EN50131-2-4 (Grade 3) |
| Masking detection method | AIR type | | |
| PIR Coverage (Detection zones) | 15m x 15m (50ft. x 50ft.) 85° wide (82 zones) | | |
| Power supply | 9 - 18VDC | | |
| Current consumption | 17mA (normal) / 20mA (max.) at 12V DC | 19mA (normal) / 26mA (max.) at 12V DC | 17mA (normal) / 26mA (max.) at 12V DC |
| Alarm output | N.C. 28V DC 0.2A max. | | |
| Tamper switch | N.C. Opens when cover is removed of the wall tamper switch operates. 28V DC 0.1A max. | | |
| Trouble output | N.C. 28V DC 0.2A max. | | |
| Operating temperature | -10°C - +50°C (14°F - 122°F) | | |
| Environmental humidity | 95% max. | | |
| RF interference | No alarm 10V/m | | |
| Mounting height | 1.8 - 2.4(6 - 8ft.) | | |
| Weight | 180g(6.3oz) | | |
| Dimensions (HxWxD) | 140 x 70 x 52.3 mm (5.51 x 2.78 x 2.06 inches) | | |

*Specifications are subject to change without prior notice.

DIMENSIONS



Unit:mm (inch)

OPTIONS

FA-3

Compact Wall & Ceiling Bracket



FA-1W

Wall Mount Bracket



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