



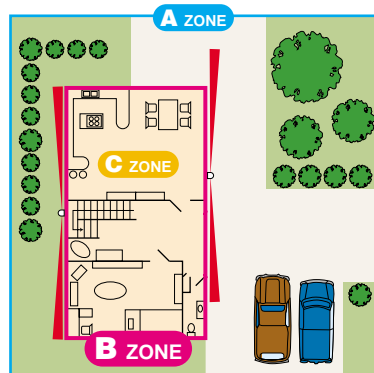
# BOUNDARY GARD™ BX-80N



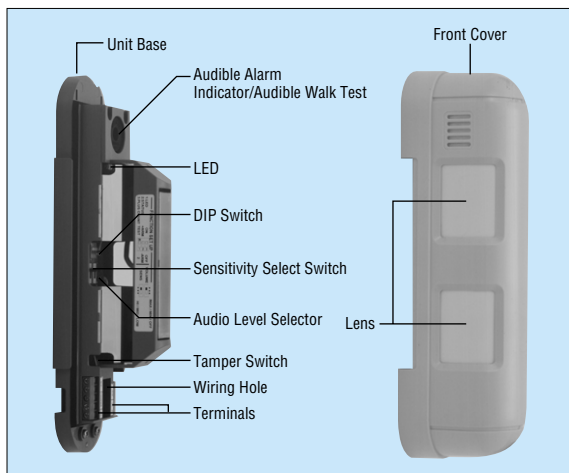
**ALARMS BEFORE  
A BURGLAR BREAKS-IN!**

Outdoor PIR Protection that covers a building's perimeter: the BX-80N's long, narrow detection area comes from the center point, covering both sides.

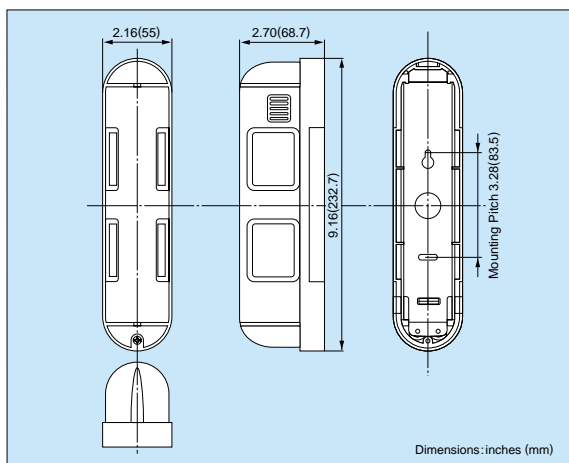
The BX-80N creates a multi-layered, horizontal barrier that detects intruders and sounds the alarm before they actually break in. Just one BX-80N can protect a long area, because it is installed in the center of the detection area and protects on both sides. BOUNDARY GARD™ makes you feel secure in knowing your building is well guarded.



# BOUNDARY GARD™ BX-80N



## DIMENSIONS



## SPECIFICATIONS

|                                   |  |
|-----------------------------------|--|
| Model                             | BX-80N   |
| Detection Method                  | Passive Infrared                                       |
| Coverage                          | 80ft (24m) (40ft [12m] on each side)                   |
| Detection Zones                   | 4 zones (2 zones on each side)                         |
| Sensitivity                       | 3°F (1.6°C) at 2ft/sec. (0.6m/sec.)                    |
| Detectable Speed                  | 1 ~ 5ft/sec. (0.3 ~ 1.5m/sec.)                         |
| Power Input                       | 10 ~ 28VDC   |
| Current Draw                      | Normal 28mA Max. 38mA                                  |
| Alarm Period                      | 2.0 ± 1.0 sec.   |
| Relay Output                      | 2 Relay Outputs N.O. and N.C. 28 VDC 0.2A (Max.) each  |
| Tamper Switch                     | N.C. Opens when cover removed                          |
| Test Mode                         | ON or OFF  |
| Warm-up Period                    | Approx. 45 sec. (LED blinks)                           |
| Volume of Audible Alarm Indicator | Approx. 70dB (at 1 meter distance)                     |
| LED Indicator                     | LED is blinking during warm-up period, Alarm condition |
| Operating Temperature             | -4°F ~ +122°F (-20°C ~ +50°C)                          |
| Environment Humidity              | 95% (Max.)   |
| RF Interference                   | No Alarm 20V/m   |
| Mounting                          | Wall (Indoor/Outdoor)                                  |
| Mounting Height                   | 2.7 ~ 4ft (0.8 ~ 1.2m)                                 |
| Weight                            | 14oz (400g)  |
| IP Rating                         | IP55   |
| Accessories                       | M4 Mount screws x 20 x 2                               |

## FEATURES

### 80ft.-Long Range Detection

Optex's advanced PIR technology creates a narrow, 80ft.-long detection area that protects wide horizontal areas, such as a building's perimeter.

### Limited Detection Range Function

The detection range of the BX-80N can be adjusted to avoid detecting unwanted objects.

### Size-Judging Function

The BX-80N has a Layered Detection Pattern that discriminates between large and small objects in the detection area. Only when both the upper and lower detection layers detect movement, does the BX-80N generate an alarm.

### Easy Installation

Convenient and simple to install, the BX-80N is mounted in the center of the detection area and protects both sides. Since there's no need to align transmitters and receivers, one person can install the BX-80N quickly and easily.

### Alarm Indicator

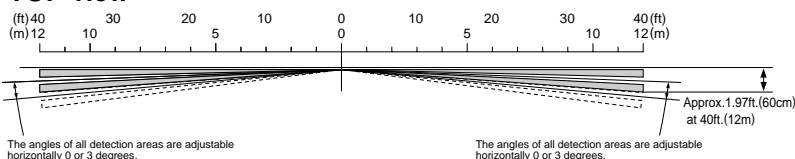
An audible alarm indicator on the BX-80N deters would-be intruders from continuing their break-in attempt.

### Attractive Slender Design

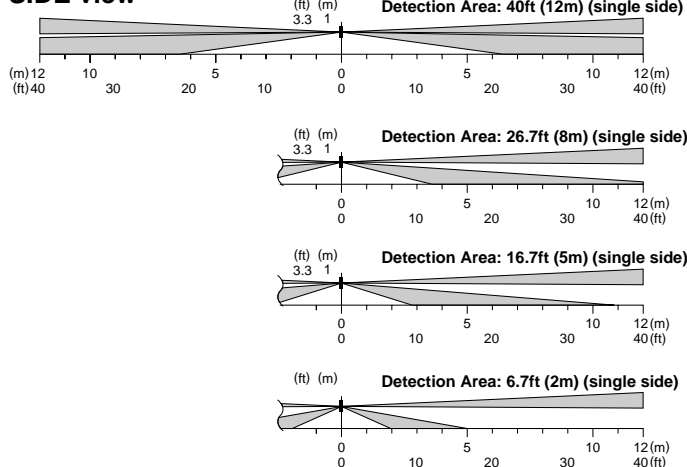
Its smart, stylish design blends in well with any type of architecture.

## DETECTION PATTERNS

### TOP view



### SIDE view



## OPTIONS

### METAL GUARD : MG-1

Helps to protect the unit from tampering or vandalism.

\* Specifications and design are subject to change without prior notice.

NOTE: This unit is designed to detect an intruder and activate an alarm control panel. Being only a part of a complete system, we cannot assume responsibility for theft or damages, should it occur.



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