

BOUNDARY GARD™

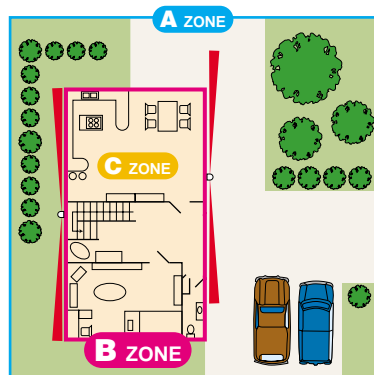
BX-80N



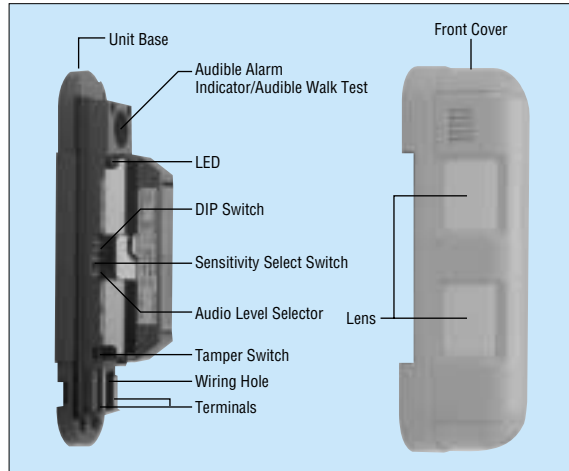
**ALARMS BEFORE
A BURGLAR BREAKS-IN!**

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



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.

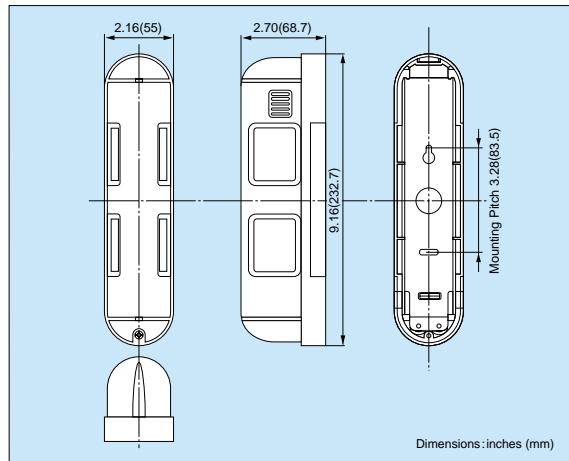
■ Alarm Indicator

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.

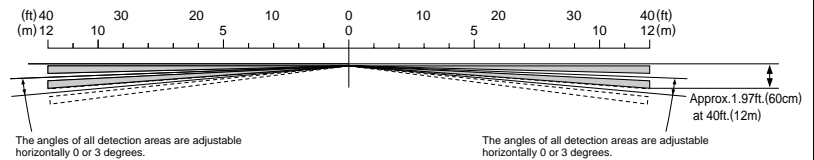
DIMENSIONS



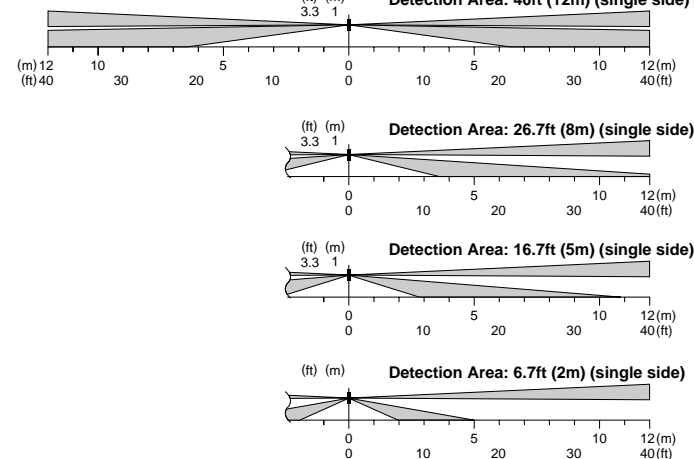
Dimensions: inches (mm)

DETECTION PATTERNS

TOP view



SIDE view



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

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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