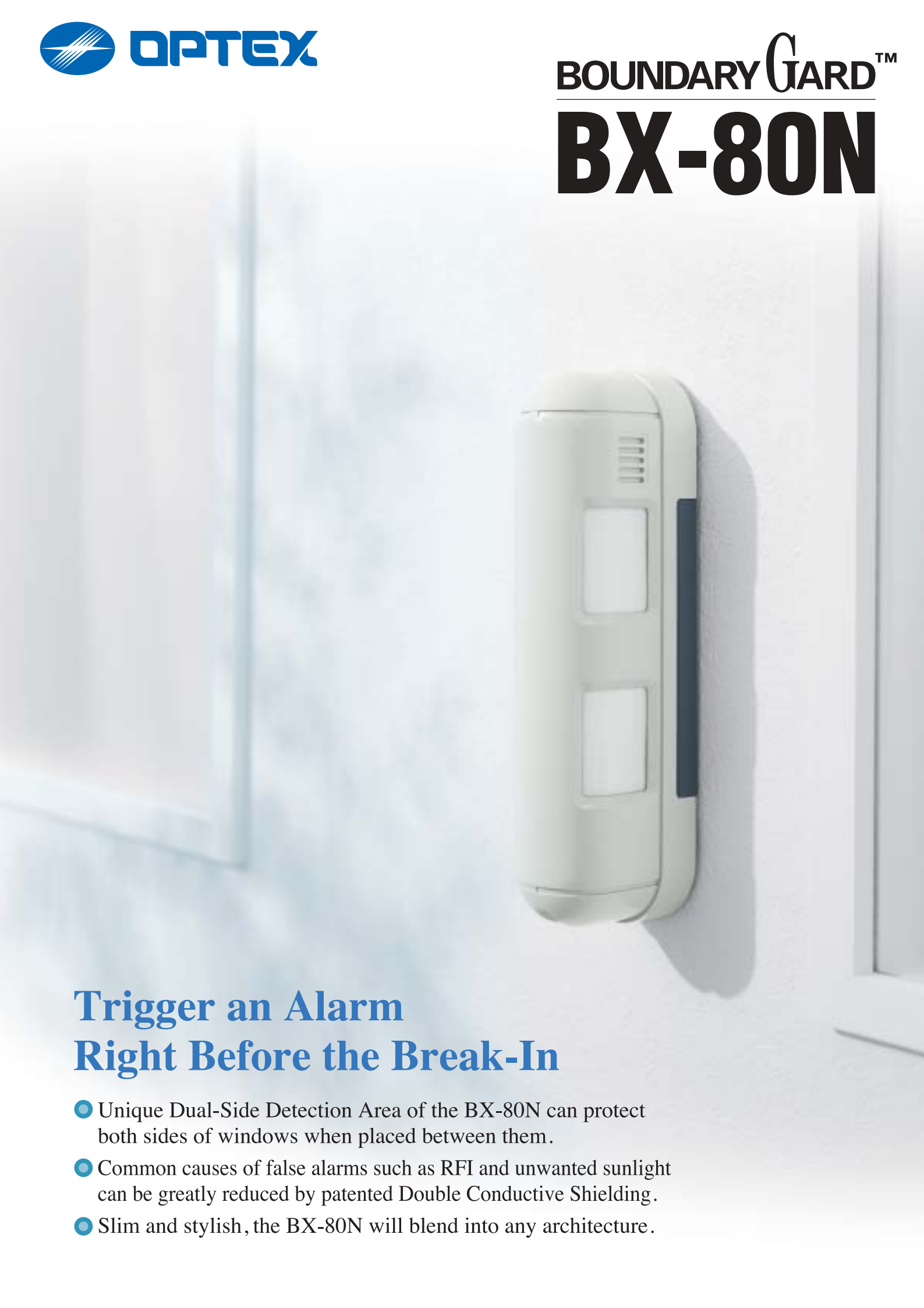
OPTEX

BOUNDARY GARD™

BX-80N



Trigger an Alarm Right Before the Break-In

- Unique Dual-Side Detection Area of the BX-80N can protect both sides of windows when placed between them.
- Common causes of false alarms such as RFI and unwanted sunlight can be greatly reduced by patented Double Conductive Shielding.
- Slim and stylish, the BX-80N will blend into any architecture.

FEATURES

BOUNDARY GARD™

BX-80N

Double Conductive Shielding

Patented Double Conductive Shielding Technology utilises a special conductive filter to cover the element window, allowing infrared energy to pass through while blocking and grounding out unwanted light and RFI sources. This helps reduce false alarms caused by car headlights and reflected sunlight in particular.

24m(80ft.)-Long Range Detection

Optex's advanced PIR technology creates a narrow, 24m(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 only triggers alarms when both upper and lower detection layers detect movements. Small animals detected only by the lower layers will not cause alarms, nor will cars detected only by upper layers beaming horizontally to the ground. Upper and lower layer detection thus distinguishes humans.

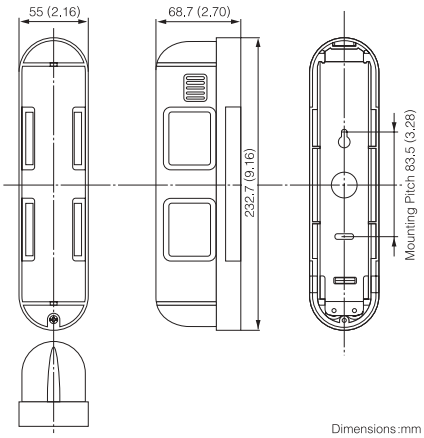
Easy Installation

Convenient and simple to install, the BX-80N is mounted in the centre 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.

Audible Alarm Function

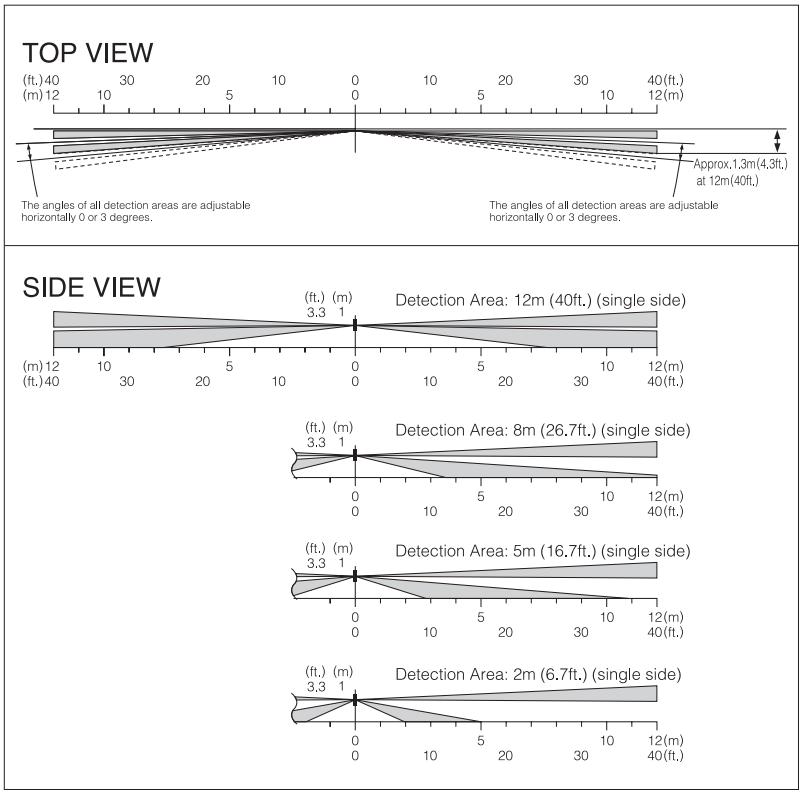
An audible alarm function on the BX-80N deters would-be intruders from continuing their break-in attempt.

DIMENSIONS



Dimensions:mm (inches)

DETECTION PATTERNS



SPECIFICATIONS

Model	BX-80N
Detection Method	Passive Infrared
Coverage	24m (80ft.) (12m [40ft.] on each side)
Detection Zones	4 zones (2 zones on each side)
Sensitivity	1.6˚C at 0.6m/sec.(3˚F at 2ft./sec.)
Detectable Speed	0.3 ~ 2.0m/sec. (1 ~ 6.7ft./sec.)
Power Supply	10 ~ 28VDC
Current Consumption	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
Area Check Mode	ON or OFF
Warm-up Period	Approx. 45 sec. (LED blinks)
Volume of Audible Alarm	Approx. 70dB (at 1 meter distance)
LED Indicator	LED is blinking during warm-up period, Alarm condition
Operating Temperature	-20˚C ~ +50˚C (-4˚F~ +122˚F)
Operating Humidity	95% (Max.)
RF Interference	No Alarm 20V/m
Mounting	Wall (Indoor/Outdoor)
Mounting Height	0.8 ~ 1.2m (2.7 ~ 4ft.)
Weight	400g (14oz)
IP Rating	IP55
Accessories	Mount screw (M4 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.