180 degree OUTDOOR DETECTOR
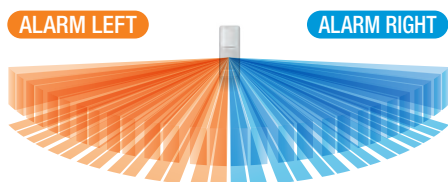# WX Infinity series

WIRED MODEL

WXI-ST: 12 m 180° standard /
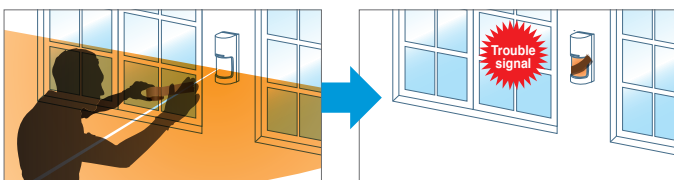WXI-AM: Anti-masking

Features

Individual left (and/or) right alarm output

• Alarm outputs can be generated from left and right detection areas individually. An installation of a WXI values that of 2 detectors.

ALARM LEFT   ALARM RIGHT

Self-learning IR digital anti-masking function

• Active IR anti-masking detects covering objects on lens surface. IR digital anti-masking function optimizes trigger level of trouble outputs generated by masking depends on status of lens surface. And a well-calibrated adjustment for both of emitting and receiving level of IR LED fluctuating by temperature contributes to stable anti-masking against change in environment.
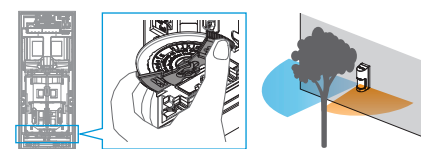
Trouble signal

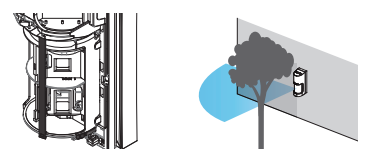## Individual detection area setting (Left and Right)

• Maximum detection distance can be easily adjusted between 2.5m (8ft) and 12m(40ft) by sliding lower PIR unit.

Detection

• By rotary sliding Area Masking Shutter, the size of detection areas (left and right) can be changed individually.

• Unwanted detection areas can be masked by optional Area Masking Plate.

Other Features

• SMDA (Super Multidimensional Analysis) logic.

• Automatic walk test mode.

Coverage

Unit: m (ft.)

| 12.0 (40) | 10.0 (33) | 5.0 (17) | 0 | 5.0 (17) | 10.0 (33) | 12.0 (40) |

Zones: a, b, c, d, e, f, g, h, i, j, k, l, m, n

5.0 (17) · 10.0 (33) · 12.0 (40)

2.5 m (8 ft.)
1.0 (3)
0 · 5.0 (17) · 10.0 (33) · 12.0 (40)

3.5 m (12 ft.)
0 · 5.0 · 10.0 · 12.0

6.0 m (20 ft.)
0 · 5.0 · 10.0 · 12.0

8.5 m (28 ft.)
0 · 5.0 · 10.0 · 12.0

12.0 m (40 ft.)
0 · 5.0 · 10.0 · 12.0

Product Features

Wide LED window
Wide and bright LED can be recognized from a distance.

Integrated body and cover colour
White unit matches installation site without particular distinction.

Back tamper
Tamper outputs are generated when unit is removed from the wall.

90 degree rotation lock with lock screw
Easy open by 90 degree rotation with a screw driver. You can lock it just by closing the cover and fix it with the lock screw included in package if needed.
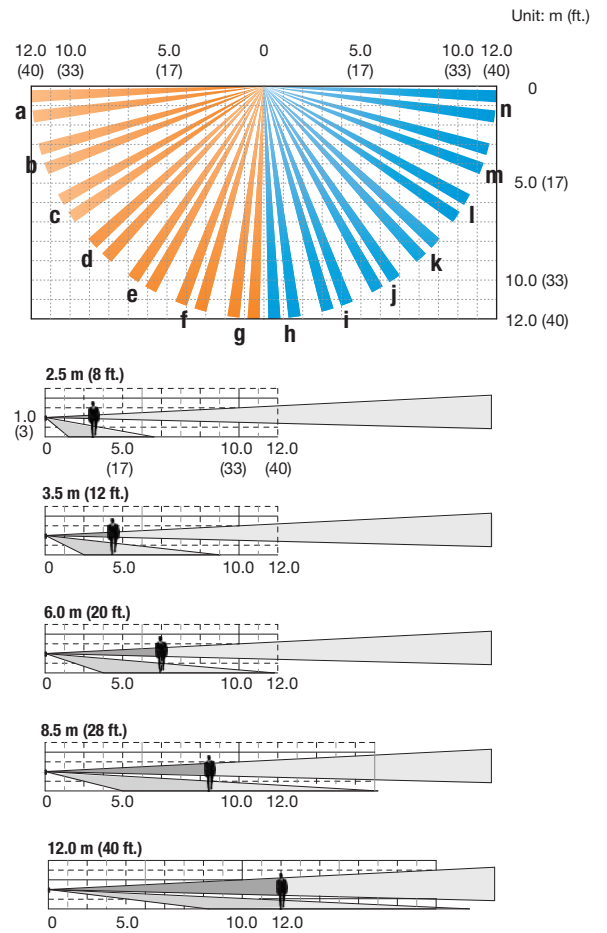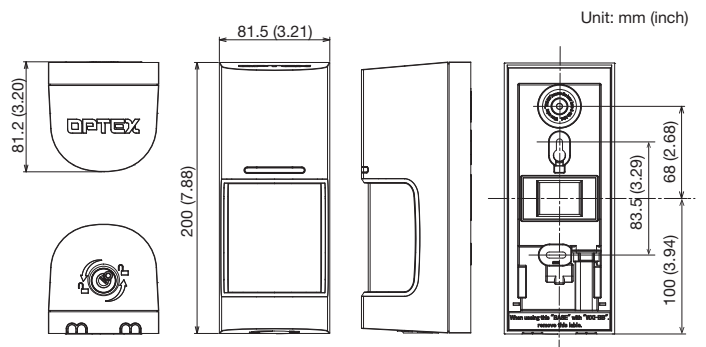
Specifications

Model	WXI-ST	WXI-AM
Detection method	Passive infrared	
PIR coverage	180° wide	
PIR zones	Horizontal 14 paire, vertical 2 lines	
PIR distance limit	2.5 to 12 m (Stepless adjustment)	
Detectable speed	0.3 to 2.0 m/s (1' to 6'7"/s)	
Sensitivity	2.0 °C (3.6°F) at 0.6 m/s Selectable for each side individually	
Power input	9.5 to 18 VDC	
Current draw	21 mA max. at 12 VDC	23 mA max. at 12 VDC (except walk test)
Alarm period	2.0 ±1 sec.	
Warm-up period	60 sec. or less (LED blinks)	
Alarm (R) output	28 VDC 0.1 A max. [Individual;Right or General], [N.O. or N.C.] are selectable	
Alarm (L) output	28 VDC 0.1 A max. [Individual;Left or General], [N.O. or N.C.] are selectable	
Trouble output	-	N.C. 28 VDC 0.1 A max.
Tamper output	N.C. 28 VDC 0.1 A max. Open when either the cover, main or base unit is removed	
LED indicator	Red LED ; 1. Warm-up 2. Alarm	Red LED ; 1. Warm-up 2. Alarm 3. Masking detection
	(DIP switch ON or Walk test)	
Operation temperature	-30 °C to +60 °C (-22°F to +140°F)	
Environment humidity	95% max.	
International protection	IP 55	
Mounting	Wall, Pole (Outdoor, Indoor)	
Mounting height	0.8 to 1.2 m (2'7" to 4')	
Weight	420 g (14.8 oz.)	440 g (15.5 oz.)
Accessories	Mounting screw (4 x 20 mm) x 2, lock screw x 1	

- Specifications and designs are subject to change without prior notice.
- These units are designed to detect an intruder and activate an alarm control panel. Being only a part of a complete system, we cannot accept responsibility for any damages or other consequences resulting from an intrusion.

Dimensions
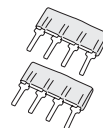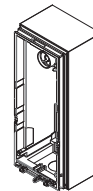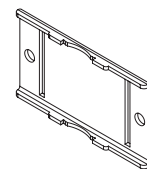
Unit: mm (inch)

81.2 (3.20) · 81.5 (3.21) · 200 (7.88) · OPTEX · 68 (2.68) · 83.5 (3.29) · 100 (3.94)

Options

| Plug-in EOL (PEU) | Back box (WXI-BB) | Pole mount plate (PMP-01) | Area masking plate (MKP-01) |