ELVEY
Providing Complete Peace of Mind

OPTEX
Sensing Innovation

PRELIMINARY

180 degree OUTDOOR DETECTOR
WX Infinity series

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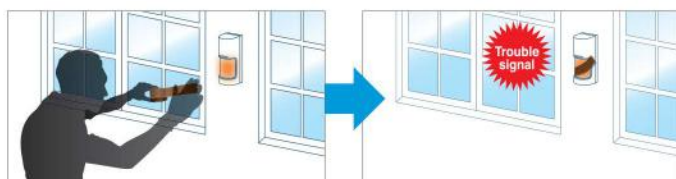WXI-AM: Anti-masking

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
(only for WXI-AM)

• 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. 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.
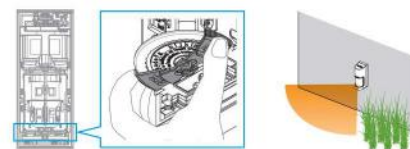

Trouble signal

Easy and flexible detection area setting

• 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 (MKP-01).

Other Features

• SMDA (Super Multidimensional Analysis) logic.

• Automatic walk test mode.

Coverage

Wide LED window

Wide and bright LED for a recognition from a distance.

Integrated body and cover colour

White unit matches installation site without particular distinction.

Back tamper

A tamper output is generated when unit is removed from the wall.

Easy cover opener & Automatic cover lock

Easily open by a quarter of rotation with a screw driver and optionally you can lock the rotation by a screw if needed. Cover can be locked automatically when cover is closed.
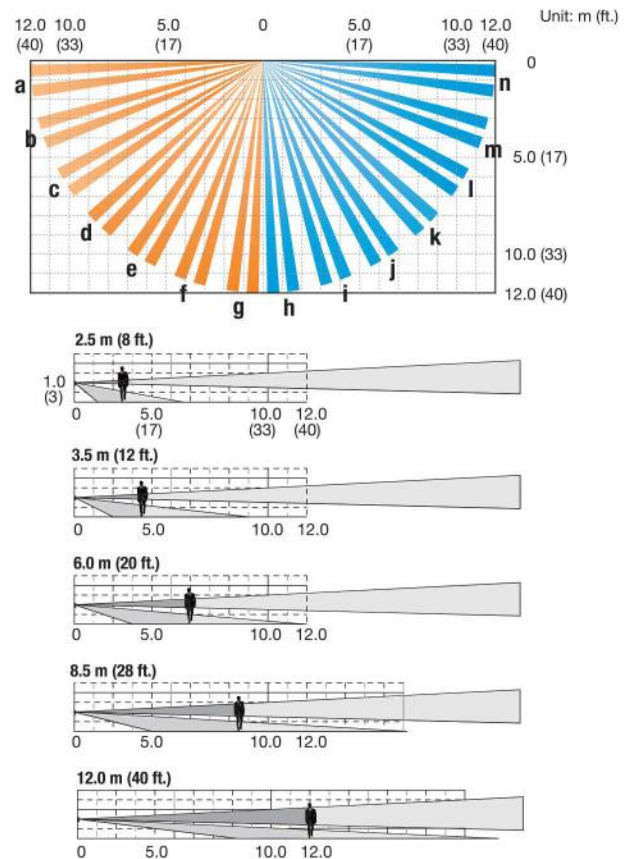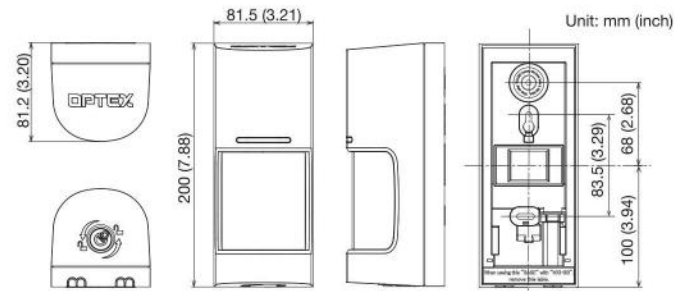
Specifications

Model	WXI-ST	WXI-AM
Detection method	Passive infrared	
PIR coverage	180° wide	
PIR zones	Horizontal 14 pairs, vertical 2 layers	
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
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.
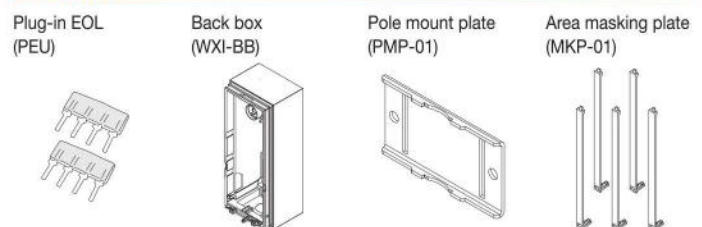
Dimensions

Options

Plug-in EOL (PEU)

Back box (WXI-BB)

Pole mount plate (PMP-01)

Area masking plate (MKP-01)

Web based manual for wired models
http://navi.optex.net/manual/50196