

**PRELIMINARY**

# 180 degree OUTDOOR DETECTOR WX Infinity series

**WIRED MODEL**

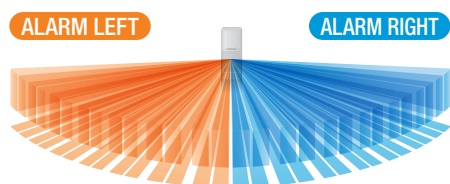
WXI-ST: 12 m 180° standard  
WXI-AM: Anti-masking



## Features

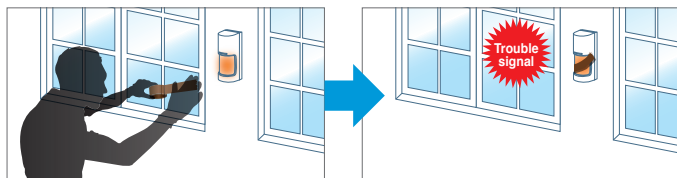
### individual left and/or right alarm output

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



### 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.

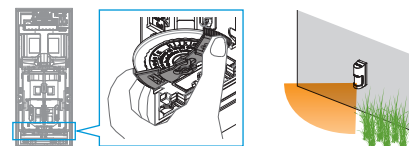


### Easy and flexible detection area setting

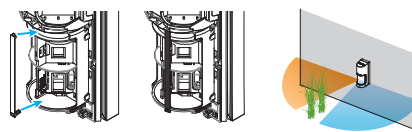
- Detection distance can be easily adjusted between 2.5m(8ft) and 12m(40ft) by sliding lower PIR unit.



- 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.



#### 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.

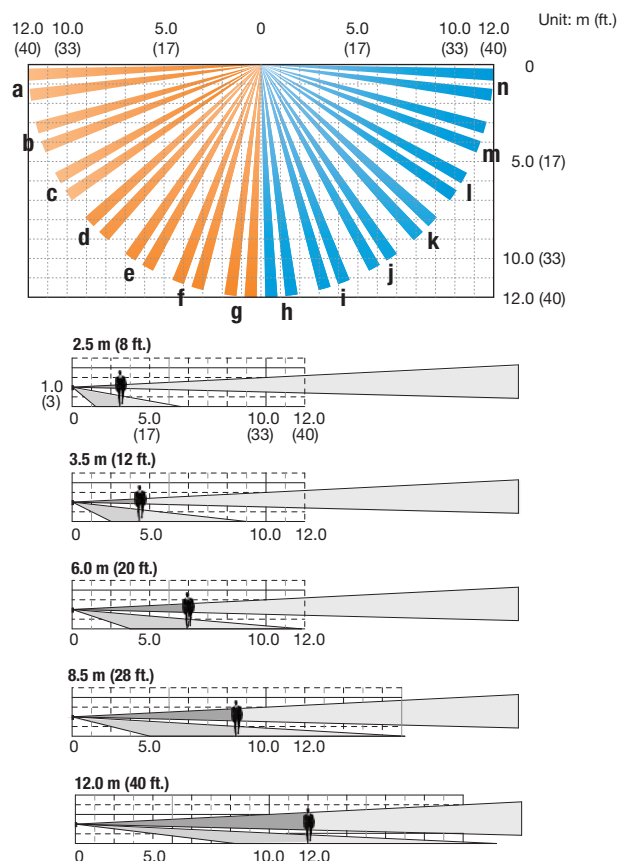


#### Specifications

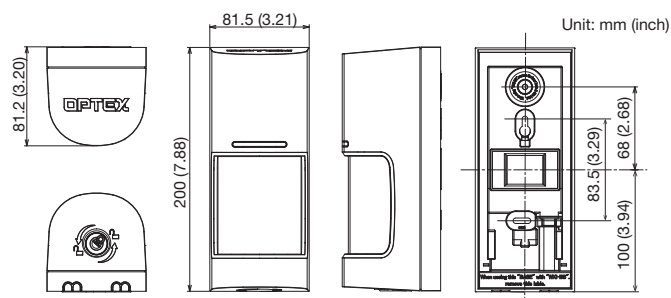
| Model                    | WXI-ST                                                                             | WXI-AM                                                                                      |
|--------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 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<br>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.<br>[Individual; Right or General], [N.O. or N.C.] are selectable |                                                                                             |
| Alarm (L) output         | 28 VDC 0.1 A max.<br>[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.<br>Open when either the cover, main or base unit is removed |                                                                                             |
| LED indicator            | Red LED ;<br>1. Warm-up<br>2. Alarm                                                | Red LED ;<br>1. Warm-up<br>2. Alarm<br>3. Masking detection<br>(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.

#### Coverage

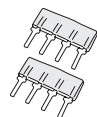


#### Dimensions

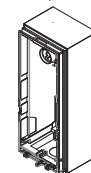


#### Options

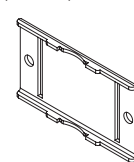
Plug-in EOL (PEU)



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>



OPTEX CO.,LTD. (JAPAN)

[www.optex.net](http://www.optex.net)

OPTEX INC. / AMERICAS HQ (U.S.)  
[www.optexamerica.com](http://www.optexamerica.com)

OPTEX (EUROPE) LTD. / EMEA HQ (U.K.)  
[www.optex-europe.com](http://www.optex-europe.com)

OPTEX TECHNOLOGIES B.V. (The Netherlands)  
[www.optex.eu](http://www.optex.eu)

OPTEX SECURITY SAS (France)  
[www.optex-europe.com/fr](http://www.optex-europe.com/fr)

OPTEX SECURITY Sp.z o.o. (Poland)  
[www.optex.com.pl](http://www.optex.com.pl)

OPTEX PINNACLE INDIA, PVT., LTD. (India)  
<http://www.optexpinnacle.com>

OPTEX KOREA CO.,LTD. (Korea)  
[www.optexkorea.com](http://www.optexkorea.com)

OPTEX (DONGGUAN) CO.,LTD.  
SHANGHAI OFFICE (China)  
[www.optexchina.com](http://www.optexchina.com)

OPTEX (Thailand) CO., LTD. (Thailand)  
<http://www.optex.co.th>