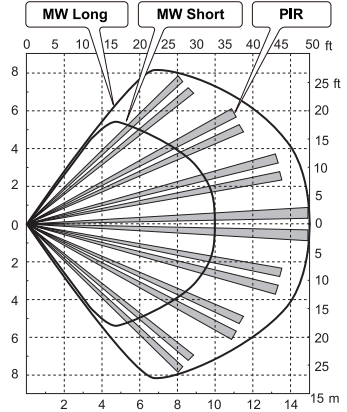


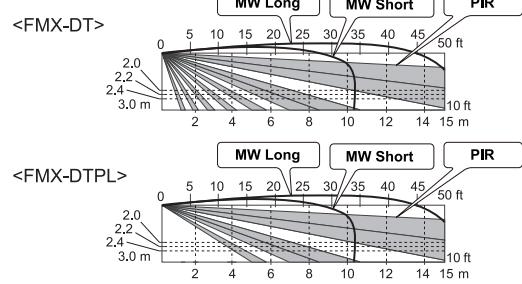
INSTALLATION INSTRUCTIONS

4 DETECTION ZONE

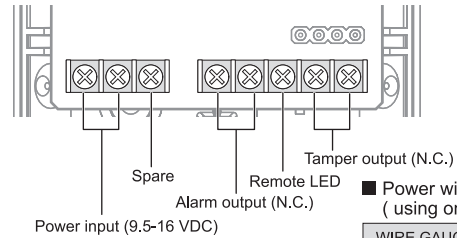
TOP VIEW



SIDE VIEW



5 WIRING



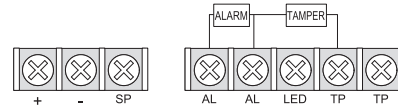
WIRE GAUGE	12 VDC	14 VDC
AWG 22 (0.33mm ²)	520m (1700')	1130m (3700')
AWG 20 (0.52mm ²)	820m (2690')	1780m (5830')
AWG 18 (0.83mm ²)	1310m (4290')	2850m (9350')

6 PLUG-IN End Of Line resistors (EOL) (OPTION)

When connecting to a control panel that supports the EOL technique

6-1 When setting the resistance value without using PLUG-IN EOL

Wire resistors between the appropriate terminals as follows:



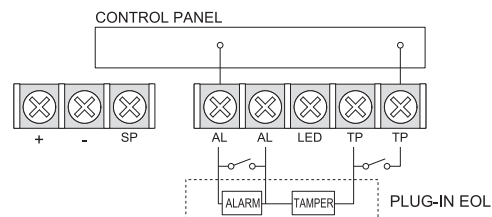
6-2 When setting the resistance value with using PLUG-IN EOL

Two types of signals – ALARM and TAMPER – can be recognized through the combination of the resistance value and wires for the AL and TP terminals.

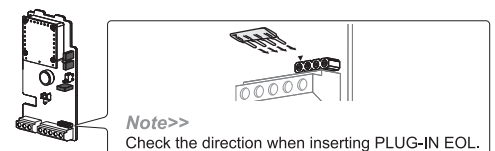


Caution>>

There are several types of PLUG-IN EOL and the insertion direction differs depending on its type.

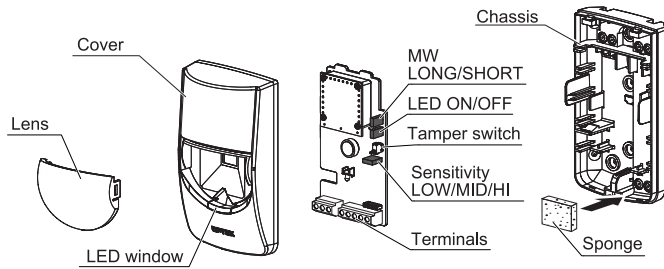


HOW TO SET

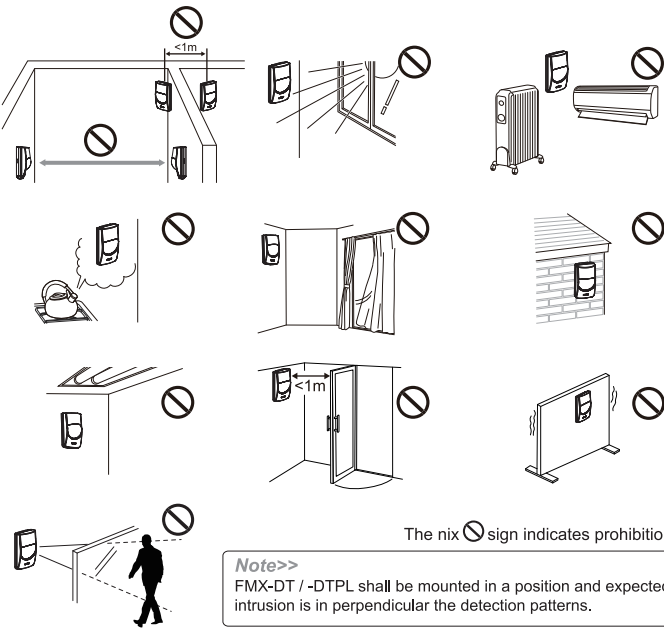


Note>>
Check the direction when inserting PLUG-IN EOL.

1 PARTS IDENTIFICATION



2 INSTALLATION HINTS

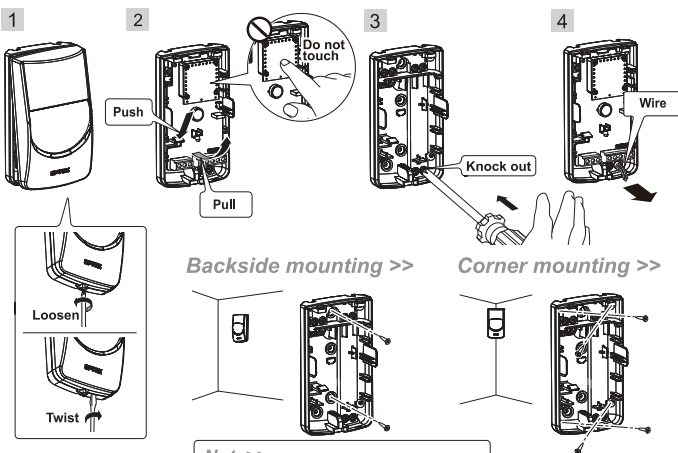


The nix indicates prohibition.

Note>>

FMX-DT / -DTPL shall be mounted in a position and expected intrusion is in perpendicular the detection patterns.

3 INSTALLATION



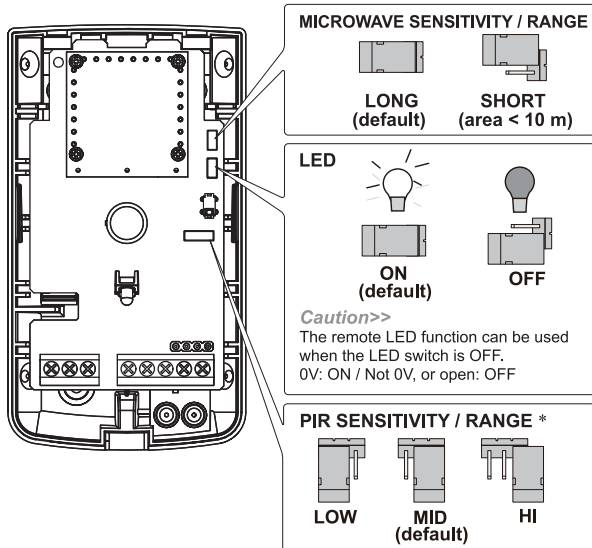
Backside mounting >>

Corner mounting >>

Note>>

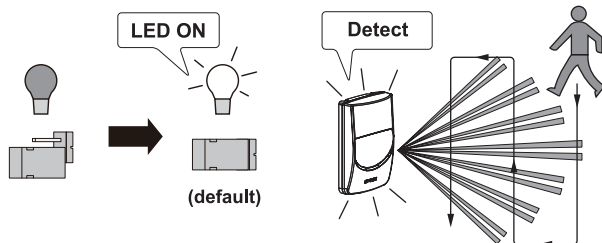
Mounting screws are not included.

7 SETTING



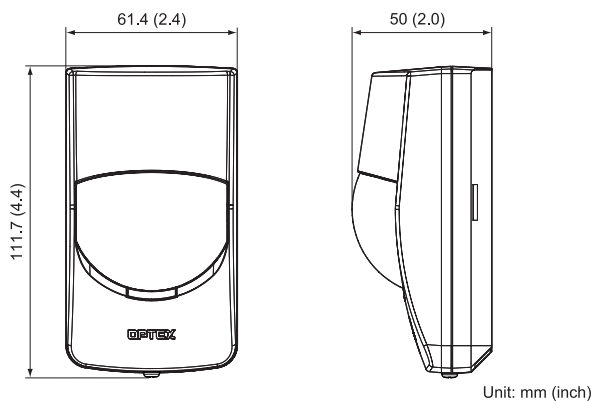
* FMX-DT comply with T014 when this switch is set "HI".

8 WALK TEST



Note>>
Conduct a walk test at least once a year.

9 DIMENSIONS



NOTE This unit is designed to detect movement of 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.

10 SPECIFICATIONS

Model	FMX-DT	FMX-DTPL
Detection method	Passive Infrared + Microwave	
Coverage	15 m x 15 m (50 ft x 50 ft) 85°wide	
Detection zones	78 zones	62 zones
Mounting height	2.2 to 3.0 m (7.3 to 10.0 ft)	
LED alarm indicator	Switchable ON/OFF	
Alarm period	Approx. 2.5 sec	
Alarm output	N.C., 28 VDC 0.2 A max.	
Tamper switch	N.C., Open when cover is removed.	
Tamper output	28 VDC 0.1 A max.	
PIR sensitivity/range	Switchable LOW/MID/HI	
Microwave sensitivity/range	Switchable LONG/SHORT	
Warm up period	Approx. 60 sec (LED blinks.)	
Power input	9.5 to 16 VDC	
Current draw	12 mA (normal), 15 mA (max.) at 12 VDC	
Dimensions	111.7 mm x 61.4 mm x 50.0 mm <HxWxD>	
Weight	Approx. 120 g	
Operating temperature	-20°C to +45°C (-4°F to +113°F)	
Environmental humidity	95% max.	
RF interference	No alarm 10 V/m	

Specifications and design are subject to change without prior notice.

11 COMPLIANCE

CE EMC Directive 2004/108/EC
EN 50130-4: 2011
EN 55022: 2010

(FMX-DT-X5)
EN 50131-1 Grades and Environmental Class:
Security Grade 2, and Environmental Class II.
EN 50131-2-4
Tested and certified by Telefication.

FMX-DT / -DTPL also comply with following Directive / Standards

marked **CE0700** ① Class II

Directive; R&TTE Directive 1999/5/EC

Applied Standards; EN 300 440-1: V1.6.1

EN 300 440-2: V1.4.1

EN 301 489-1: V1.9.2

EN 301 489-3: V1.6.1

EN 62311: 2008 +EN 50385: 2002

EN 60950-1: 2006 +A11: 2009 +A1: 2010 +A12: 2011

We declare the DC power source provided to the product is DC 9.5 – 18 V and must be limited power source complied IEC 60950-1 chapter 2.5.

CE Statement:

This equipment complies with EU radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

PD6662: 2010

The following list indicates the areas of intended use of the equipment and any known restrictions. For countries not included in this list, please consult the responsible Spectrum Management Agency.

10.525 GHz: Belgium, Denmark, Finland, Greece, Italy, Luxembourg,
The Netherlands, Spain, Sweden, Iceland, Norway, Switzerland
10.587 GHz: France, Ireland, United Kingdom, Belgium, The Netherlands,
Luxembourg
13.700 GHz: Austria, Finland

FCC ID: DC9OPMWWL IC: 4012A-OPMWWL

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.



OPTEX CO., LTD. (JAPAN)

URL: <http://www.optex.net/>

OPTEX INC. (U.S.)

URL: <http://www.optexamerica.com/>

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OPTEX (EUROPE) LTD. / EMEA HQ (U.K.)

URL: <http://www.optexeurope.com/>

OPTEX TECHNOLOGIES B.V.

(The Netherlands)

URL: <http://www.optex.nl/>

OPTEX SECURITY SAS (France)

URL: <http://www.optex-security.com/>

OPTEX SECURITY Sp.z o.o. (Poland)

URL: <http://www.optex.com.pl/>

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