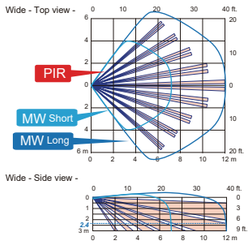
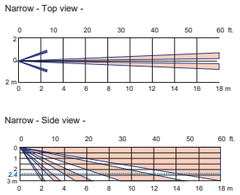
Detection Areas

Standard Model

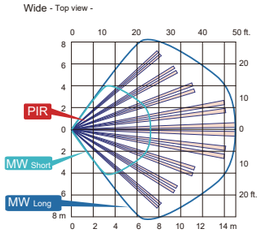


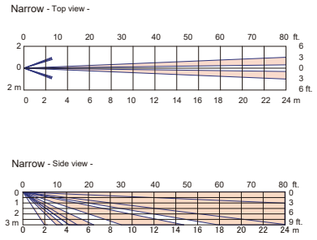


NOTE

- The dotted line indicates the recommended mounting height.
- When "Narrow" is selected at the jumper pin, MW be stopped.
- Narrow area settings are not certified to the following standards. EN 50131-2-2:2017(FLX-S-ST)/EN 50131-2-4:2020, INCERT and SBSC.

Professional Model





NOTE

- When "Narrow" is selected at the jumper pin, MW detection will be stopped.
- Narrow area settings are not certified to the following standards. EN 50131-2-2 (FLX-P-ST)/EN 50131-2-4 (FLX-P-DT), INCERT and SBSC.

Advanced Model

NOTE

- The * 2.4 dotted line indicates the recommended mounting height.
- When "Narrow" is selected in the lens setting, MW detection will be stopped.
- Down zone * can be deleted by switch setting.
- Narrow area setting of FLX-A-DAM is not certified to NF&A2P.

Dimensions

Standard Model / Professional Model

Advanced Model

Unit: mm (inch)

Specifications

Part name		FLX-S-ST	FLX-S-DT	FLX-P-ST	FLX-P-DT	FLX-A-AM	FLX-A-DAM
Model name		Standard		Professional		Advanced	
Mounting height		2.0 to 3.0 m (6'7" to 9'8")					
Coverage		Wide： 12 m (40') 85° Narrow： 18 m (60') 5° (MW will be stopped in "Narrow" setting)		Wide： 15 m (50') 85° Narrow： 24 m (80') 5° (MW will be stopped in "Narrow" setting)		Wide： 15 m (50 ft.) 85° Narrow ： 24 m (80 ft.) 5° (No MW detection at "Narrow" setting)	
Alarm period		2.0 ± 0.5 s					
Warm-up period		Approx. 60 s (LED blinks)					
LED indicator		Green: [1] Warm-up [2] Alarm				Multiple: Warm-up / Green:Alarm and Masking detection Yellow: Self test error / Red:Low voltage	
Power input		9.5 to 16 V DC					
Current draw		8 mA (normal) 11 mA (max.) at 12 V DC	11 mA (normal) 14 mA (max.) at 12 V DC	8 mA (normal) 11 mA (max.) at 12 V DC	11 mA (normal) 14 mA (max.) at 12 V DC	12 mA (normal) 16 mA (max.) at 12 V DC	16 mA (normal) 21 mA (max.) at 12 V DC
Relay output	Trouble	-				N.C. 24 V DC 0.1 A max. (Resistive load)	
	Alarm	N.C. 24 V DC 0.1 A max. (Resistive load)					
	Tamper	N.C. 24 V DC 0.1 A max. (Resistive load) (Open when the cover is removed)					
Remote LED		-	✓				
Operation temperature		-20℃ to +50℃(-4°F to +122°F)	-20℃ to +45℃(-4°F to +113°F)	-20℃ to +50℃(-4°F to +122°F)	-20℃ to +45℃(-4°F to +113°F)	-20℃ to +50℃(-4°F to +122°F)	-20℃ to +45℃(-4°F to +113°F)
Temperature compensation		Digital (SMDA)					
Relative humidity		95% RH max.					
Dimension		H: 129.2 x W: 61.5 x D: 50.9 mm (H: 5.09" x W: 2.42" x D: 2.00")				H: 159.1 mm x W: 62.2 mm x D: 55.7 mm (H: 5.09" x W: 2.42" x D: 2.00")	
Weight		90 g (3.17 oz)	105 g (3.7 oz)	95 g (3.35 oz)	110 g (3.88 oz)	180 g (6.35 oz)	200 g (7.05 oz)

・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.
・Advanced models (FLX-A-AM and FLX-A-DAM) are certified to NF&A2P when operation temperatures are -10℃ to +55℃(14°F to +131°F).

Options

CW-G2 -Compliant to EN-Grade II
-Wall or Ceiling mount selectable
-Horizontally +/-45
-Vertically -5 to 20° downward

CW-G3 -Compliant to EN-Grade III
-Wall Tamper
-as same as CW-G2

Web based manual

Standard model | Professional model | Advanced model

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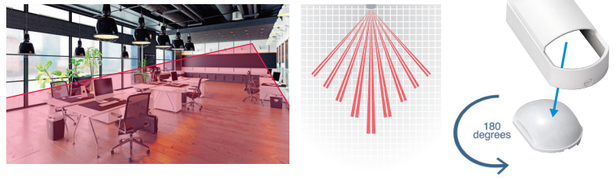
OPTEX Sensing Innovation

Basic Features

Flip Lens

Selectable wide & narrow area with one lens. By turning the lens upside down, the shape of detection area can be changed from WIDE to NARROW.

Wide Detection Area



Narrow and Long Detection Area

Easily Viewable LED Color

LED color is green and viewable from distance.

Human-Catch Element

The new element size has been designed to create proper detection areas and optimize detection sensitivity.

Other Basic Common Features

- Refined Spherical Lens
- SMDA
- 180 Degree Cover Lock
- Double Conductive Shielding (Advanced & Professional models)
- Microwave upgrade (Dual Tech models)

Standard Model

Choice for everyday intrusion

FLX-S-ST
PIR

FLX-S-DT
PIR and MW

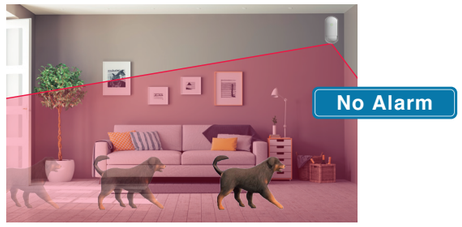
-10.525GHz(X5)
-10.587GHz(X8)
- 9.425GHz(X9)

-12 m (40 ft.) 85 degree Wide
-18 m (60 ft.) Narrow

Compliant to EN-Grade II*1

Pet Tolerance*2

Standard model gives high false alarm protection with excellent tolerance to spot temperature changes from small animals and pet.



*1 when PIR sensitivity should be "Middle" or "High"
*2 when PIR sensitivity setting is "Low"

Application Examples **Residence and Light Commercial**



Professional Model

Choice for more secure intrusion sensing / commercial and professional applications

FLX-P-ST
PIR

FLX-P-DT
PIR and MW

-10.525GHz(X5)
-10.587GHz(X8)
- 9.425GHz(X9)

-15 m (50 ft.) 85 degree Wide
- 24m (80 ft.) Narrow

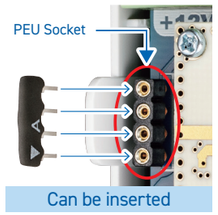
Compliant to EN-Grade II

PEU Socket

Optional PEU(Plug-In End Of Line Unit) are available for FlipX.

PEU can be inserted into the PEU socket on PCB.

You don't have to connect axial resistors into terminals with signal cables to differentiate between alarm and tamper signals.



Application Examples **Commercial and professional**



Advanced Model

Choice for advanced high-end high-risk intrusion sensing

FLX-A-AM
PIR with Anti-masking

FLX-A-DAM
PIR and MW with Anti-masking

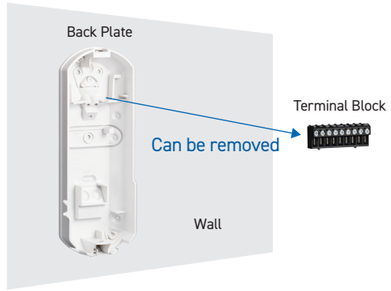
-10.525GHz(X5)
-10.587GHz(X8)
- 9.425GHz(X9)

- 15 m (50 ft.) 85 degree Wide
- 24 m (80 ft.) Narrow

Compliant to EN-Grade III

Removable Terminal Block

Terminal block can be removed from Back Plate for easy wiring, easy replacement of the item with no access to key parts on Main Unit.



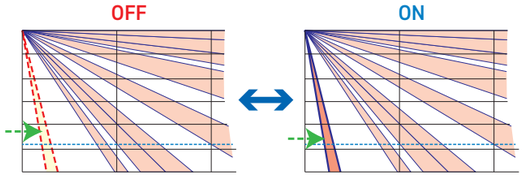
Double Protection Anti-Masking

FlipX has IR Anti-masking function generating a trouble signal when detector is masked.

On lens surface　　On AM window

Down Zone Switch

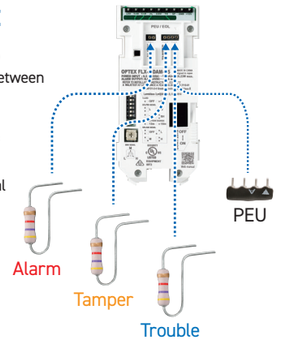
Downzone detection area is selectable "ON" or "OFF".



EOL Resistor Socket

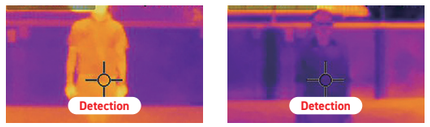
You don't have to connect axial resistors into terminals with signal cables to differentiate between alarm, trouble and tamper signals.

Axial resistors & optional PEU(Plug-In End Of Line Unit) are available for FlipX. Either axial resistors enclosed to Control Panel or optional PEU can be inserted into the EOL Resistor Socket.



Super High Sensitivity

Even if temperature between human and background becomes close, Super High PIR Sensitivity can be selectable to provide far greater catch performance for the site where mis-alarm is unacceptable



SENSITIVITY

LOW	MID	HIGH	Super HIGH

Application Examples **High-end high-risk intrusion sensing**