FlipX Standard Series

INDOOR SECURITY

FLX-S-ST
PIR

FLX-S-DT
DUAL-TECHNOLOGY
(PIR and MW)

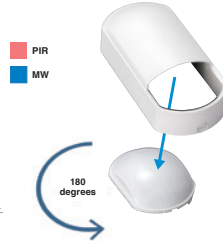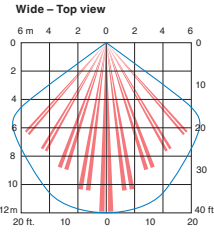**Grade 2 indoor motion detector with flexible lens for residential and light commercial security.**
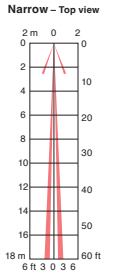
- 12m (40ft.) 85 degree Wide
- 18m (60ft.) Narrow

Flexible lens: One lens, two options

Selectable wide and narrow detection with one sensor. Simply switch the lens to change the shape of the detection area best suited to the installation site.

Wide Detection Area

Wide – Top view

- PIR
- MW

180 degrees

Narrow and Long Detection Area

Narrow – Top view

Human-catch element and excellent pet immunity

The new element size has been specifically designed to create human-size detection areas and optimise detection sensitivity.

Conventional element

New original element

Alarm

Trigger Level

The new element shape is matched for human size.

No Alarm

Trigger Level

Pets cover only a small area and generate a much smaller signal than humans.

In addition to the human catch element, FlipX standard models have excellent tolerance to identify temperature changes from small animals and avoid false alarms.

Refined spherical lens and SMDA logic for high-detection performance

FlipX: Spherical Lens   Coventional detectors: Flat Lens

OPTEX's indoor sensors are equipped with a specially designed spherical lens which allows for very sharp focus and high-performance detection.

No detection   **Detection**

Anti-Light Disturbance   Temperature Compensation   Excellent Catch Performance

OPTEX's SMDA algorithm can differentiate between common causes of nuisance alarms, such as shadows and bright lights, to focus the detection on genuine intrusions.

Specifications

Part name	FLX-S-ST	FLX-S-DT
Model name	Standard	
Mounting height	2.0 to 3.0 m (6'7" to 9'8")	
Coverage	Wide: 12 m (40') 85° Narrow: 18 m (60') 5° (PIR only for Narrow setting)	
Sensitivity	1.6°C (2.9°F) at 0.6 m/s (2'/s): 2.4 m (8') mounting height	
Alarm period	2.0 ± 0.5 s	
Warm-up period	Approx. 60 s (LED blinks)	
LED indicator	Green: [1] Warm-up [2] Alarm	
Power input	9.5 to 16 V DC	
Current draw	12 mA max. at 12 V DC	16 mA max. at 12 V DC
Relay output — Alarm	N.C. 24 V DC 0.1 A max.	
Relay output — Tamper	N.C. 24 V DC 0.1 A max. (Open when the cover is removed)	
Remote LED	-	✓
Operation temperature	-20°C to +50°C(-4°F to +122°F)	
Temperature compensation	Digital	
Relative humidity	95% RH max.	
Dimension	H: 130 mm x W: 62 mm x D: 56 mm	
Weight	120 g (4.20 oz)	135 g (4.73 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.

Ease of installation

Easily viewable LED indicator   ## 180° cover lock

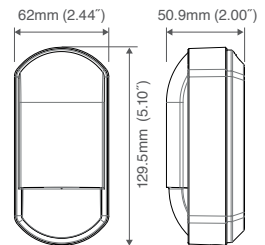Re-designed LED indicator has been selected for clearer viewing at distance.

Options

- Wall or Ceiling mount selectable
- Horizontally: +1-45°
- Vertically: -5 to 20° downward

Dimensions

62mm (2.44″)   50.9mm (2.00″)

129.5mm (5.10″)

Web based manual for Standard model