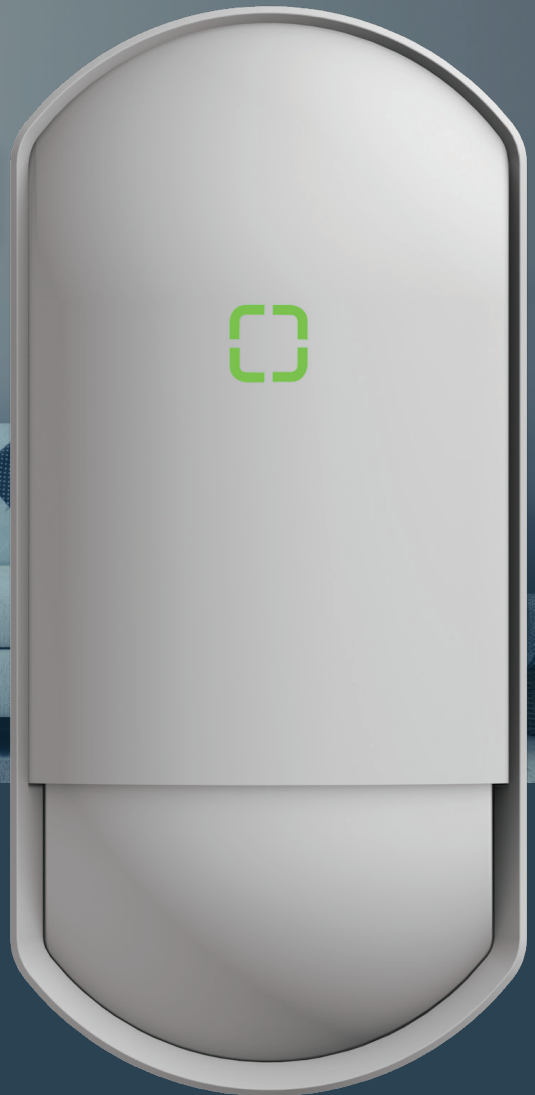# FlipX Standard Series

INDOOR SECURITY

FLX-S-ST

PIR

FLX-S-DT

DUAL-TECHNOLOGY
(PIR and MW)

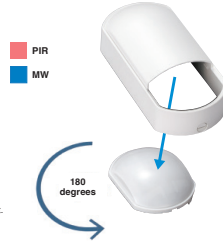**Grade 2 indoor motion detector with flexible lens for residential and light commercial security.**
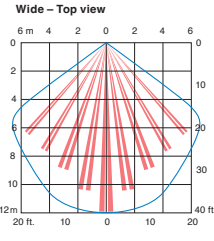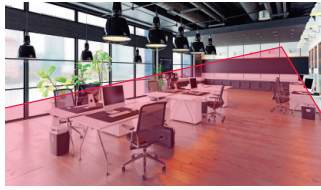
- 12m (40ft.) 85 degree Wide
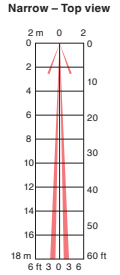- 18m (60ft.) Narrow

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.
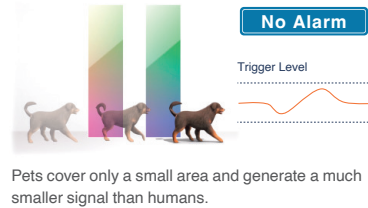
Wide Detection Area

Wide – Top view

PIR
MW

180 degrees

Narrow and Long Detection Area

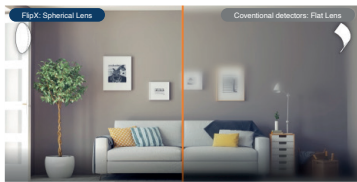

FLX-S-ST model only

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

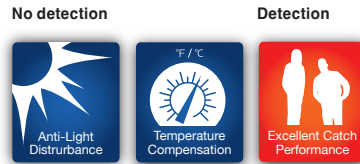Pets cover only a small area and generate a much smaller signal than humans.

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

°F / °C
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°	Wide: 12 m (40') 85° (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.	
	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

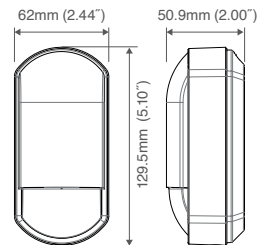Re-designed LED indicator has been selected for clearer viewing at distance.

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