

# FlipX Advanced Series

INDOOR SECURITY



## FLX-A-AM

PIR WITH ANTI-MASKING

## FLX-A-DAM

DUAL TECHNOLOGY WITH  
ANTI MASKING

Grade 3 indoor motion  
detector with flexible lens for  
high-end, high risk intrusion  
security.

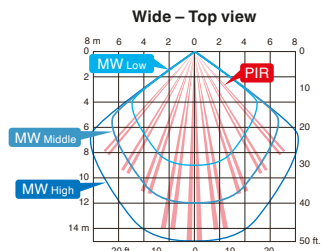
- 15m (50ft.) 85 degree Wide
- 24m (80ft.) Narrow



## Selectable wide and narrow detection with one sensor

Simply flip the lens to change the shape of the detection area best suited to the installation site.

### Wide Detection Area



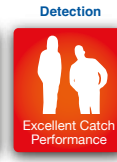
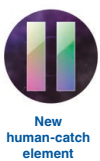
### Narrow and Long Detection Area



PIR mode only for narrow detection

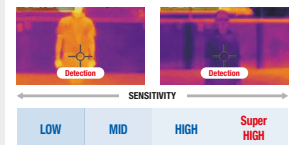
## Superior detection performance

A new bespoke pyro has been specifically designed to create human-size detection areas and optimise detection sensitivity. For industry leading performance, FlipX Advanced sensors have a unique algorithm (SMDA) which can learn from the environment to discriminate popular causes of false alarms.



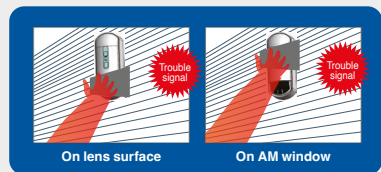
### Super high sensitivity

Sensitivity can be set to extremely high to ensure consistent detection even when the temperature difference between the human body and the environment is very small.



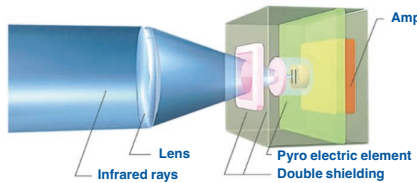
### IR Anti-masking

Dual anti-masking feature that protects individually both PIR and microwave sensors generating an alert if they are covered.



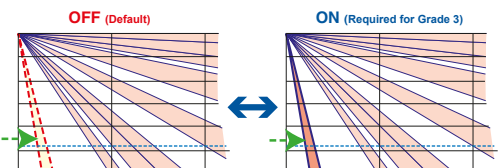
### Double conductive shielding

OPTEX patented double conductive shielding allows FlipX Advanced sensors to block RFI and the visible light disturbance from sunlight or strong lamps, to focus on what matters.



### Flexible mounting height and selectable look-down area

A selectable 'Down zone' switch allows to create a look down zone below the sensor. And its flexible mounting height between 2 - 3 m means they seamlessly blend into the aesthetics of buildings with higher ceilings.



## Specifications

| Part name                | FLX-A-AM                                                                                            | FLX-A-DAM                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Model name               | Advanced                                                                                            |                                                                               |
| Security grade           | EN50131-2-2 (Grade 3)                                                                               | EN50131-2-4 (Grade 3)                                                         |
| Detection method         | Passive infrared                                                                                    | Passive infrared and microwave                                                |
| Mounting height          | 2.0 to 3.0 m (6'7" to 9'8" )                                                                        |                                                                               |
| Coverage                 | Wide: 15 m (50 ft.) 85°<br>Narrow: 24 m (80 ft.) 5°                                                 | Wide: 15 m (50 ft.) 85°<br>(PIR only for Narrow setting)                      |
| Alarm period             | 2.0 ± 0.5 s                                                                                         |                                                                               |
| Warm-up period           | Approx. 60 s (LED blinks)                                                                           |                                                                               |
| LED indicator            | 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             | 16 mA max. at 12 V DC                                                                               | 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)<br>(Open when the cover is removed.) |
| Remote LED               | ✓                                                                                                   |                                                                               |
| Operation temperature    | -20°C to +50°C (-4°F to +122°F)                                                                     | -20°C to +45°C (-4°F to +113°F)                                               |
| Temperature compensation | Digital                                                                                             |                                                                               |
| Relative humidity        | 95% RH max.                                                                                         |                                                                               |
| Dimension                | H: 159.1 mm x W: 62.2 mm x D: 55.7 mm                                                               |                                                                               |
| Weight                   | 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.

## Ease of installation



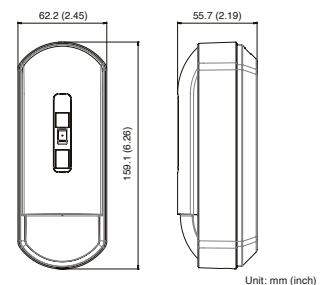
### Optional wall or ceiling mount bracket

#### CW-G3

- Vertically: -5 to 20° downward
- Horizontally: ± 45°
- Wall tamper detection



### Dimensions



Unit: mm (inch)



Web based manual  
for Advanced model

