

# SX EX PIR MOTION DETECTOR

## SX-ID-P11XXA



*The SX EX PIR MOTION DETECTOR is a member of our unique SX product family, which has been specifically designed for use in hazardous (Ex) environments. The certified PIR detector works with intruder alarm and access control systems or lighting control systems to provide a highly effective security monitoring or energy conservation solution in Ex Classified hazardous areas Zones 1, 2, 21 & 22.*

## FEATURES/DOCUMENTATION

The SX EX PIR MOTION DETECTOR is a movement sensor that detects a moving body heat (infrared) signature and provides an alarm output signal to the alarm/monitoring system accordingly. The alarm variant uses an end-of-line output loop for easy integration with alarm systems and accepts a DC input.

### SX EX PIR SECURITY MOTION DETECTOR

(PD 6662:2017 & EN 50131-2-2:2017 Grade 3, Class II)

- Part No: SX-ID-P11XX1A  
Please see Page 2 to select the resistance values required.  
The part number assumes the standard detection lens (dense short wide).

### KEY FEATURES

- Anti-Mask Detection
- Anti-Tamper Detection
- Quad element, thermally stabilized sensor
- 3 lens options available:
  - Dense Short Wide Angle (Approx. 1m to 9m @ 101° Coverage)
  - Medium Wide Angle (Approx. 1.7m to 18.0m @ 88.2° Coverage)
  - Vertical Barrier (Approx. 1m to 22.5m @ 6° Coverage)
- Simple 4-Wire + Earth
- Wide DC Input 12V to 36V
- High gain Fresnel optics provide true volumetric coverage of the detection area
- User Adjustable Motion Detector Sensitivity

### EXTERNAL CONNECTIONS

- 2 X M20 Gland Entries

### MOUNTING OPTIONS

- Bracket Mount (Included)

### AMBIENT TEMP RANGE

- -30°C...+60°C

### SIZE & WEIGHT

- 180mm x 90mm x 100mm (HxWxD)  
(Excluding Bracket)
- Weight Complete: Approx. 4.8Kg

### TEOL OUTPUTS

- Channel 1 – Tamper, Motion, Fault

### SUPPORTED ALARM SYSTEMS

- Manufactured to customer needs\*  
*Model Dependent*

### ENCLOSURE STYLES

- 316L Stainless Steel

### IP PROTECTION

- IP66/67/68\* (\*Immersion 1 Metre Depth, 31 Minutes)

### EX MARKING CERTIFICATION

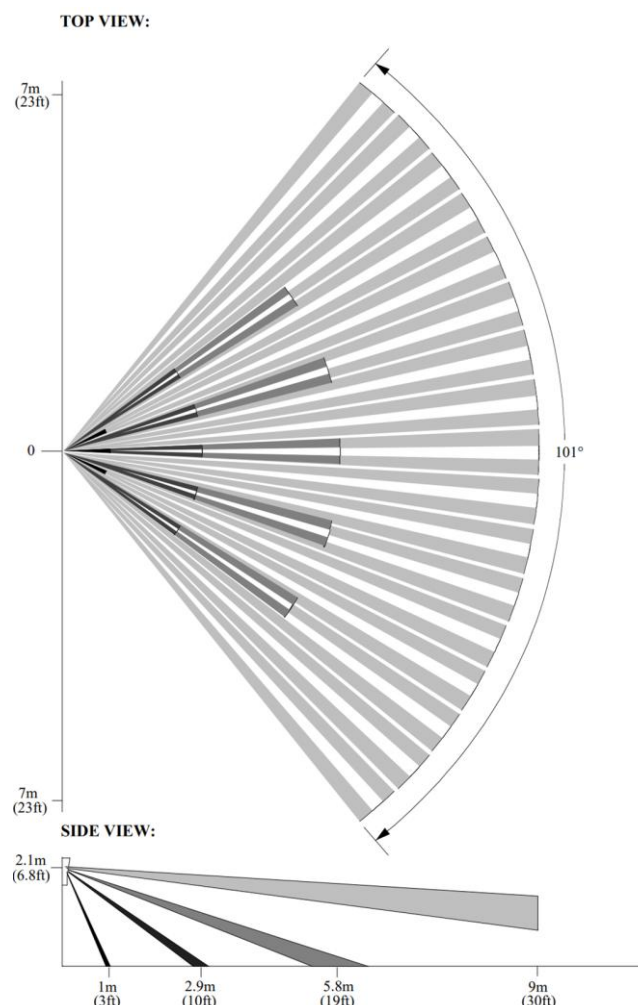
-  II 2 G Ex eb ib mb IIC T4 Gb
-  II 2 D Ex ib tb IIIC T135°C Db

**HAZARDOUS AREA PIR**

SX-ID-P111X1A


**LENS TYPE  
SYSTEM COMPATABILITY**

| RESISTANCE<br>OPTION | COMPATIBILITY                                                                   | EOL             | ALARM           | TAMPER/<br>FAULT |
|----------------------|---------------------------------------------------------------------------------|-----------------|-----------------|------------------|
| 0                    | Special – Customer Specified at Order                                           | $1K\Omega \leq$ | $1K\Omega \leq$ | $1K\Omega \leq$  |
| 1                    | SecurEx Standard, Texcom, Scantronic, Cooper, Pyronics PCX, Castle-Care Tec G3+ | 2K2 $\Omega$    | 4K7 $\Omega$    | 2K2 $\Omega$     |
| 2                    | Honeywell, Microtech (Galaxy)                                                   | 1K $\Omega$     | 1K $\Omega$     | 1K $\Omega$      |
| 3                    | Guardall (Network 1 Configuration) Two Wire Only                                | 8K2 $\Omega$    | 8K2 $\Omega$    | 8K2 $\Omega$     |
| 4                    | DSC                                                                             | 5K6 $\Omega$    | 5K6 $\Omega$    | 5K6 $\Omega$     |
| 5                    | Gardtec                                                                         | 4K7 $\Omega$    | 6K8 $\Omega$    | 4K7 $\Omega$     |
| 6                    | Bosch, DA Abacus                                                                | 3K9 $\Omega$    | 8K2 $\Omega$    | 3K9 $\Omega$     |
| 7                    | Castle Care-Tec                                                                 | 1K $\Omega$     | 13K $\Omega$    | 1K $\Omega$      |
| 8                    | Europlex, MDT                                                                   | 2K2 $\Omega$    | 2K2 $\Omega$    | 2K2 $\Omega$     |
| 9                    | Pyronix Matrxix, GE/Ariltech, HKC                                               | 4K7 $\Omega$    | 4K7 $\Omega$    | 4K7 $\Omega$     |

**2-YEAR STANDARD WARRANTY.**

*Product warranty begins at the point of invoice. If a defect is discovered during the warranty period, it is the customer's responsibility to return the unit to SecurEx before the end of this warranty period. SecurEx reserves the right for a full product inspection. SecurEx reserves the right to request evidence for correct installation. Incorrect installation of the product will result in the warranty becoming void. SecurEx product warranty covers technical and/or safety issues. Cosmetic damages will not be covered under warranty unless related to technical and/or safety issues.*

*Resistance chosen at the point of order cannot be altered. Any products ordered by error may qualify for a 50% refund of the invoice value if redeemed within 12 months of invoice. The item must be returned unused, in the original packaging with all remaining content. Any missing content will be charged for.*

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NOTE: SECUREX OPERATES UNDER A POLICY OF CONTINUAL PRODUCT IMPROVEMENT.

SPECIFICATIONS MAY CHANGE WITHOUT NOTICE.

V3.0       

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