

## CERTIFICATIONS

- **ATEX** - ExVeritas 21ATEX0785X
- **UKCA** - ExVeritas 21UKEX0786X
- **IECEX** - IECEX EXV 21.0014X

## ZONE COMPATIBILITY

- **Zone 1 & 2**
- **Zone 21 & 22**

## AMBIENT TEMPERATURE RANGE

- **-30C to 60C**

## EQUIPMENT MARKING



II 2G Ex eb ib mb op is IIC T4 Gb T<sub>amb</sub> -30°C to +60°C

II 2D Ex ib tb op is IIIC T85°C Db T<sub>amb</sub> -30°C to +60°C

## SX HAZARDOUS AREA PIR – G3 ALARM

- **Grade 3 – Alarm Compatible (Wide DC input 9-36V)**

- **'SX-ID-P111XXA' Standard – Single Lens**
  - **'SX-ID-P111X1A' – Dense Short Wide-Angle Lens.**  
(Approx. 1m to 9m @ 101° Coverage).
  - **'SX-ID-P111X2A' – Medium Wide-Angle Lens.**  
(Approx. 1.7m to 18.0m @ 88.2° Coverage).
  - **'SX-ID-P111X3A' – Vertical Barrier Lens**  
(Approx. 1m to 22.5m @ 6° Coverage).
- **'SX-ID-P112XXA' Dual Sensor – Dual Lens (Special Request Only)**

## G3 ALARM SYSTEM COMPATIBILITY

RESISTANCE OPTION	COMPATIBILITY	EOL $\Omega$	ALARM $\Omega$	TAMPER /FAULT $\Omega$
0	<b>Special</b> - Customer Specified at Order (Min 1K $\Omega$ )	---	---	---
1	SecurEx Standard, Texecom, 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 Matrix, GE / Ariltech, HKC	4K7 $\Omega$	4K7 $\Omega$	4K7 $\Omega$

**Select resistance option from  
above, replacing the 'X' with  
chosen Resistance option No.**

**Warning! System  
compatibility must be stated  
for order acceptance.**

## **SX EX PIR – CCTV (ISOLATED CONTACT)**

- **CCTV – Dry Contacts (Wide DC input 9-36V)**
  - **'SX-ID-P1310XA' Standard – Single Lens**
    - **'SX-ID-P13101A' – Dense Short Wide-Angle Lens.**  
(Approx. 1m to 9m @ 101° Coverage).
    - **'SX-ID-P13102A' – Medium Wide-Angle Lens.**  
(Approx. 1.7m to 18.0m @ 88.2° Coverage).
    - **'SX-ID-P13103A' – Vertical Barrier Lens**  
(Approx. 1m to 22.5m @ 6° Coverage).
  - **'SX-ID-P1322XA' Dual Sensor – Dual Lens\* (Special Request Only)**

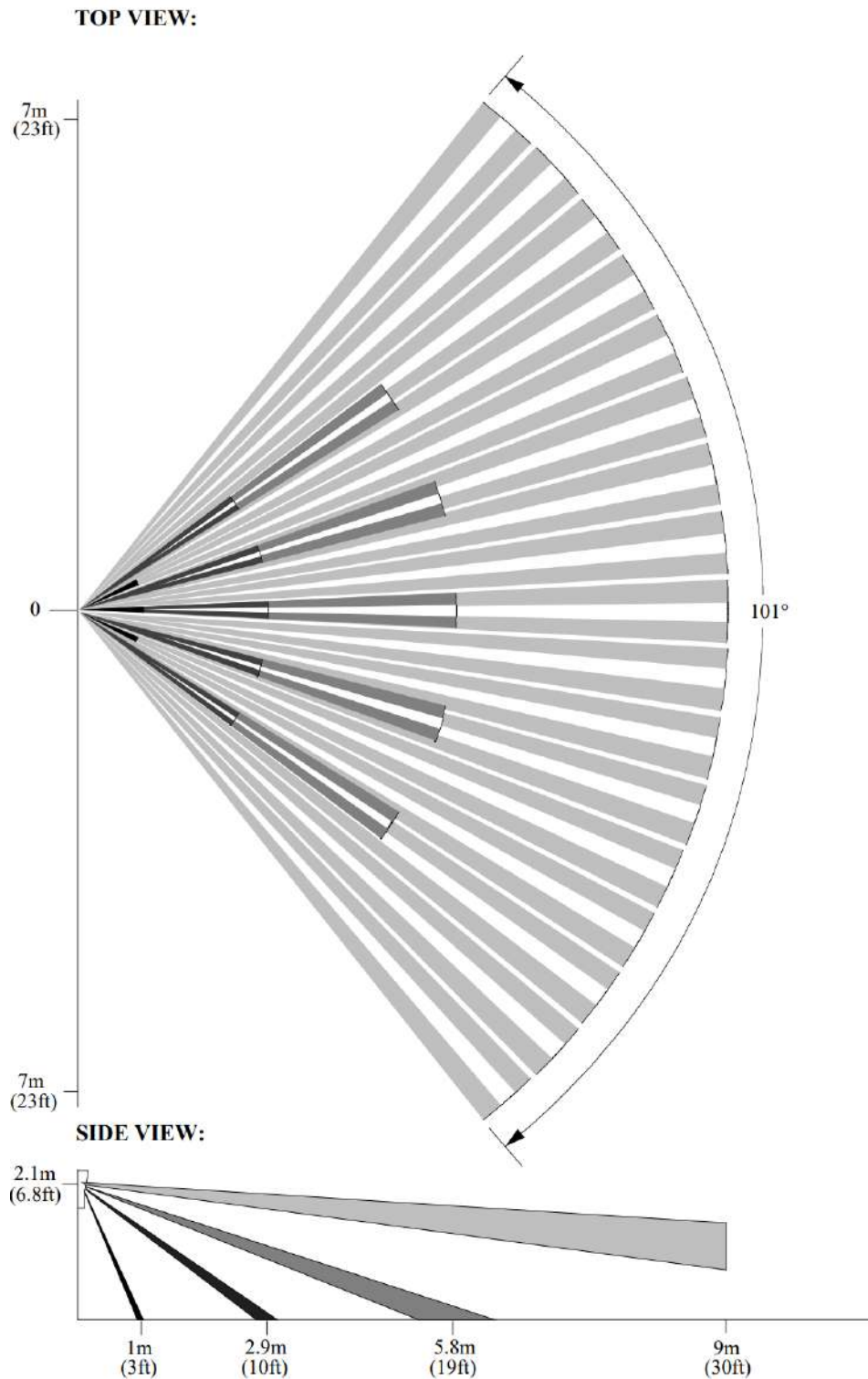
## **SX EX PIR – AC LIGHTING (AC INLINE CONTACT)**

- **AC Lighting – In Line Contact (AC input 110-240V).**
  - **'SX-ID-P1210XA' Standard – Single Lens.**
    - **'SX-ID-P12101A' – Dense Short Wide-Angle Lens.**  
(Approx. 1m to 9m @ 101° Coverage).
    - **'SX-ID-P12102A' – Medium Wide-Angle Lens.**  
(Approx. 1.7m to 18.0m @ 88.2° Coverage).
    - **'SX-ID-P12103A' – Vertical Barrier Lens**  
(Approx. 1m to 22.5m @ 6° Coverage).

## **SX EX PIR – AC CONTACT (AC ISOLATED CONTACT)**

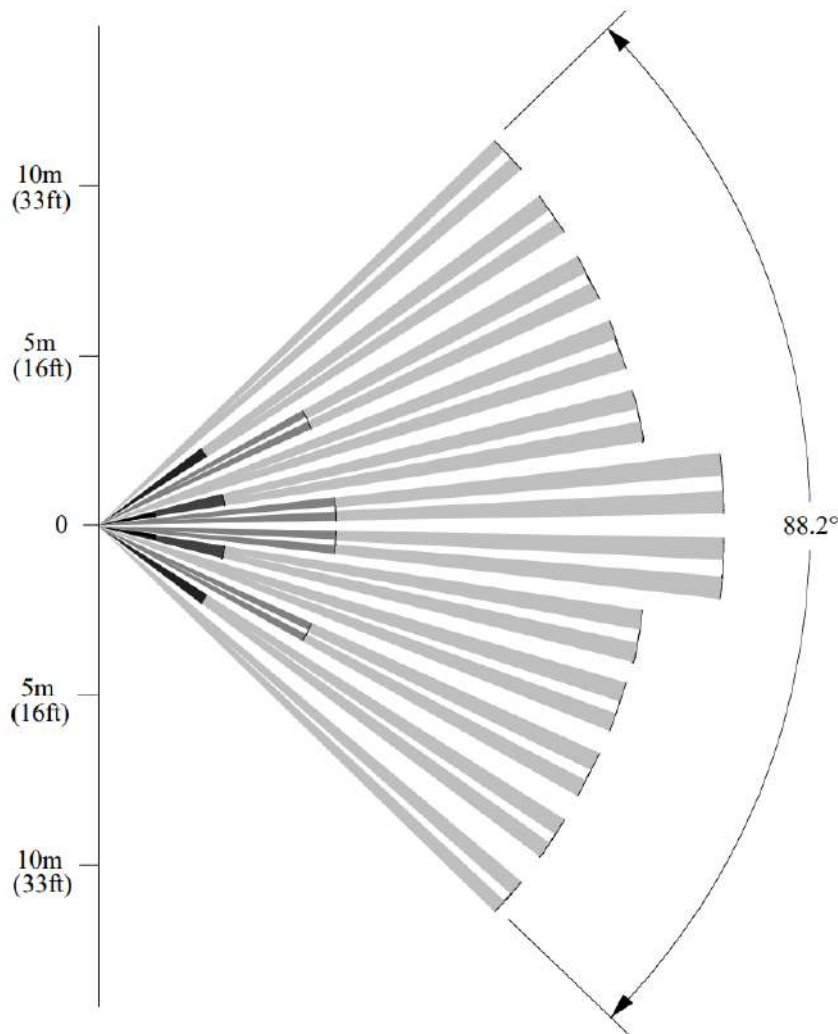
- **AC Contact – Contact (AC input 110-240V).**
  - **'SX-ID-P1420XA' Standard – Single Lens.**
    - **'SX-ID-P14201A' – Dense Short Wide-Angle Lens.**  
(Approx. 1m to 9m @ 101° Coverage).
    - **'SX-ID-P14202A' – Medium Wide-Angle Lens.**  
(Approx. 1.7m to 18.0m @ 88.2° Coverage).
    - **'SX-ID-P14203A' – Vertical Barrier Lens**  
(Approx. 1m to 22.5m @ 6° Coverage).

## DENSE SHORT WIDE-ANGLE LENS

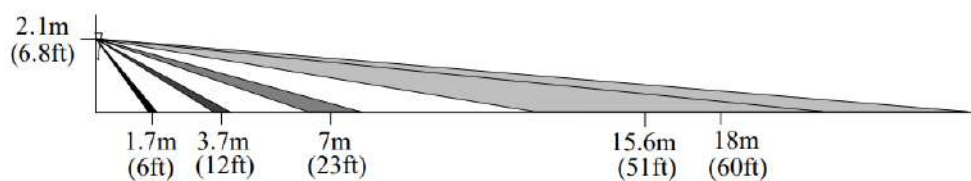


## MEDIUM WIDE-ANGLE LENS

**TOP VIEW:**

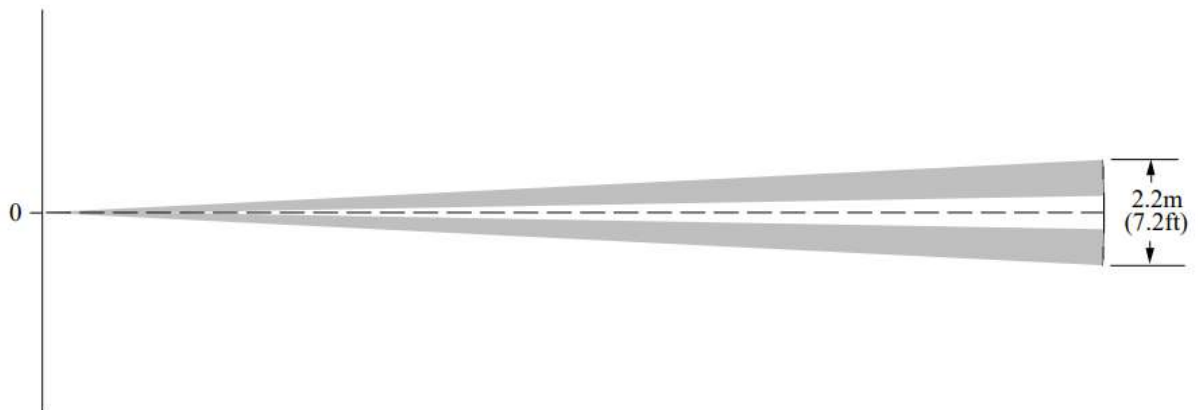


**SIDE VIEW:**

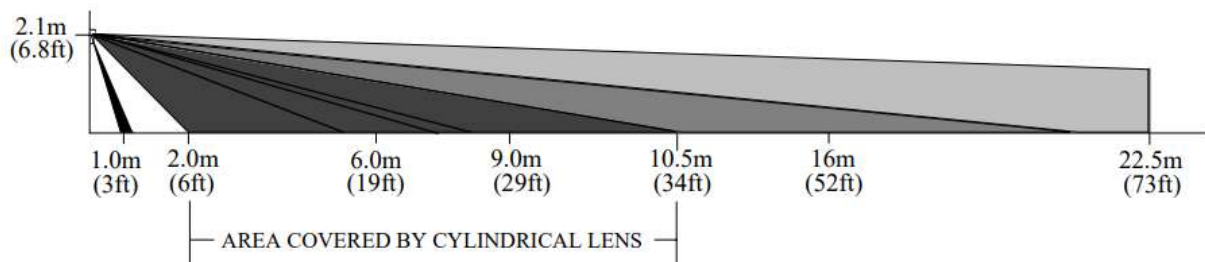


## VERTICAL BARRIER LENS

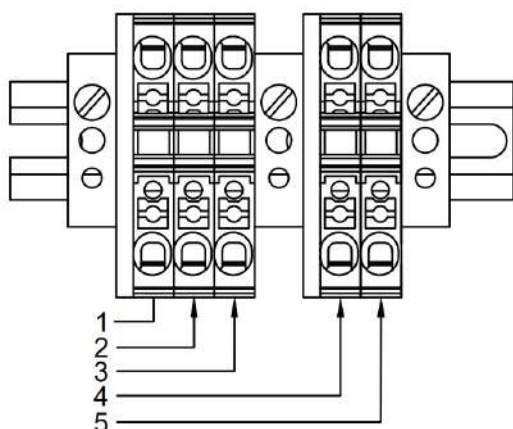
**TOP VIEW:**



**SIDE VIEW:**

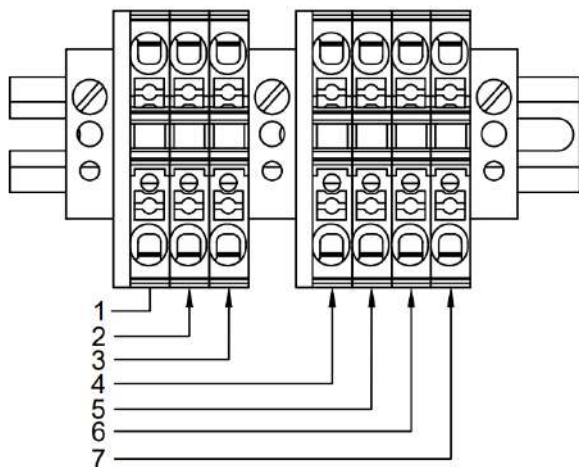


## TERMINAL CONNECTIONS – G3 ALARM



**SX-ID-P111XXA Standard – Single Lens**

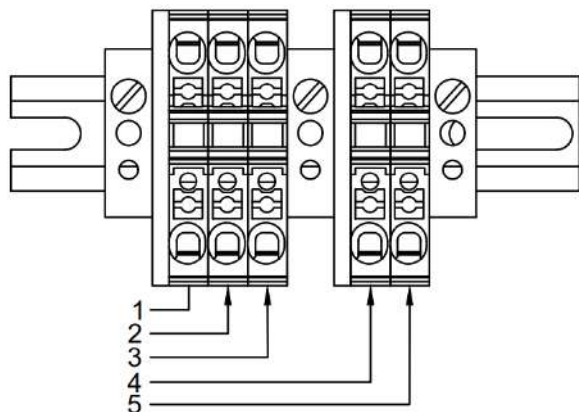
G3 ALARM	
Item	Description
1	V+
2	V-
3	EARTH
4	TEOL1A
5	TEOL1B



**SX-ID-P112XXA Dual Sensor – Dual Lens (Special Request Only)**

G3 ALARM	
Item	Description
1	V+
2	V-
3	EARTH
4	TEOL1A
5	TEOL1B
6	TEOL2A
7	TEOL2B

## TERMINAL CONNECTIONS – CCTV

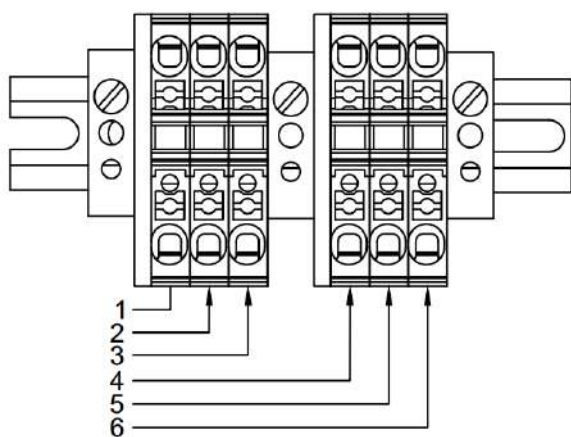


CCTV	
Item	Description
1	V+
2	V-
3	EARTH
4	B
5	A

**SX-ID-P131XXA Standard – Single Lens**

**SX-ID-P132XXA** *Dual Sensor – Dual Lens (Special Request Only)*

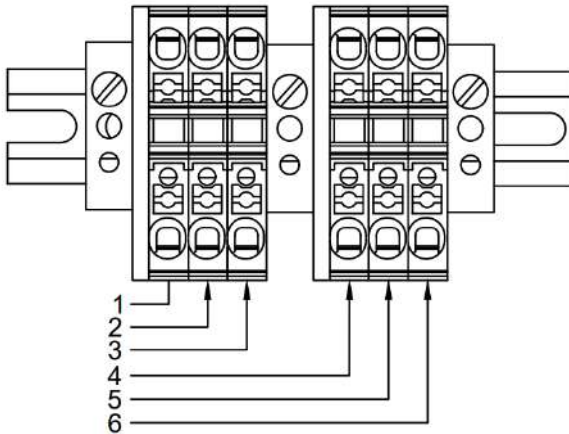
## TERMINAL CONNECTIONS – AC CONTACT



AC CONTACT	
Item	Description
1	Lin
2	Nin
3	EARTH
4	A
5	B
6	EARTH

**SX-ID-P1420XA Standard – Single Lens**

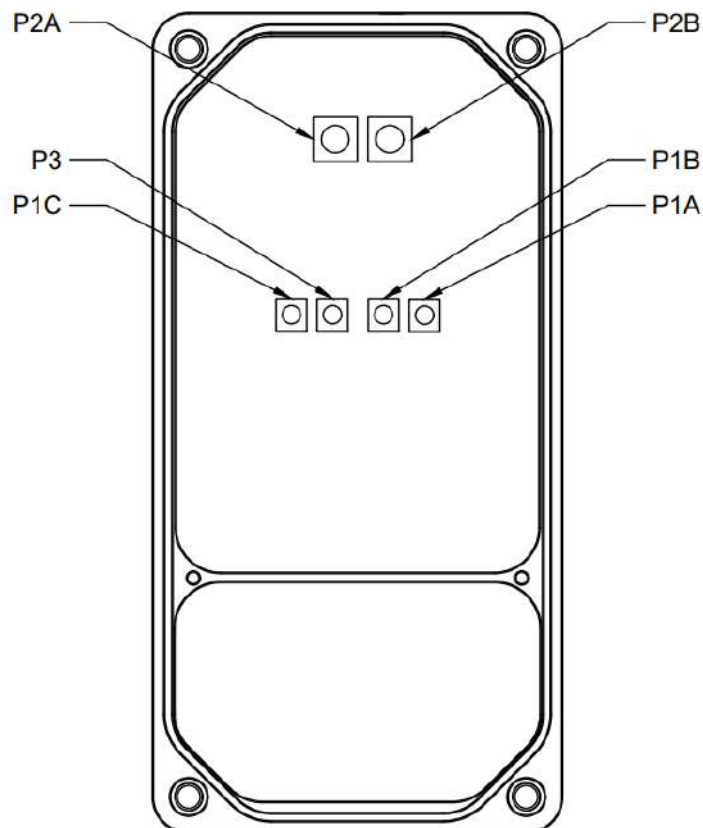
## TERMINAL CONNECTIONS – AC LIGHTING



AC LIGHTING	
Item	Description
1	Lin
2	Nin
3	EARTH
4	Lout
5	Nout
6	EARTH

**SX-ID-P1210XA' Standard – Single Lens**

## INTERNAL CONFIGURATION LAYOUT



## SX EX HAZARDOUS AREA MOTION DETECTOR 'PIR' – HELP SHEET

SX-ID-P111XXA	
POTENTIOMETERS	
ITEM	DESCRIPTION
P1A	N/A
P1B	AM SENSITIVITY
P1C	N/A
P2A	N/A
P2B	SENSITIVITY
P3	N/A

SX-ID-P112XXA	
POTENTIOMETERS	
ITEM	DESCRIPTION
P1A	AM1 SENSITIVITY
P1B	AM2 SENSITIVITY
P1C	N/A
P2A	SENSITIVITY
P2B	SENSITIVITY
P3	N/A

SX-ID-P1210XA	
POTENTIOMETERS	
ITEM	DESCRIPTION
P1A	AMBIENT LIGHT SENSITIVITY
P1B	N/A
P1C	N/A
P2A	MOTION SENSITIVITY
P2B	SWITCHING MODE
P3	TIMING

SX-ID-P1310XA	
POTENTIOMETERS	
ITEM	DESCRIPTION
P1A	N/A
P1B	N/A
P1C	N/A
P2A	MOTION SENSITIVITY
P2B	N/A
P3	N/A

SX-ID-P1320XA	
POTENTIOMETERS	
ITEM	DESCRIPTION
P1A	N/A
P1B	N/A
P1C	N/A
P2A	MOTION SENSITIVITY
P2B	MOTION SENSITIVITY
P3	N/A

SX-ID-P1410XA	
POTENTIOMETERS	
ITEM	DESCRIPTION
P1A	AMBIENT LIGHT SENSITIVITY
P1B	N/A
P1C	N/A
P2A	MOTION SENSITIVITY
P2B	SWITCHING MODE
P3	TIMING

## GENERAL ARRANGEMENT

