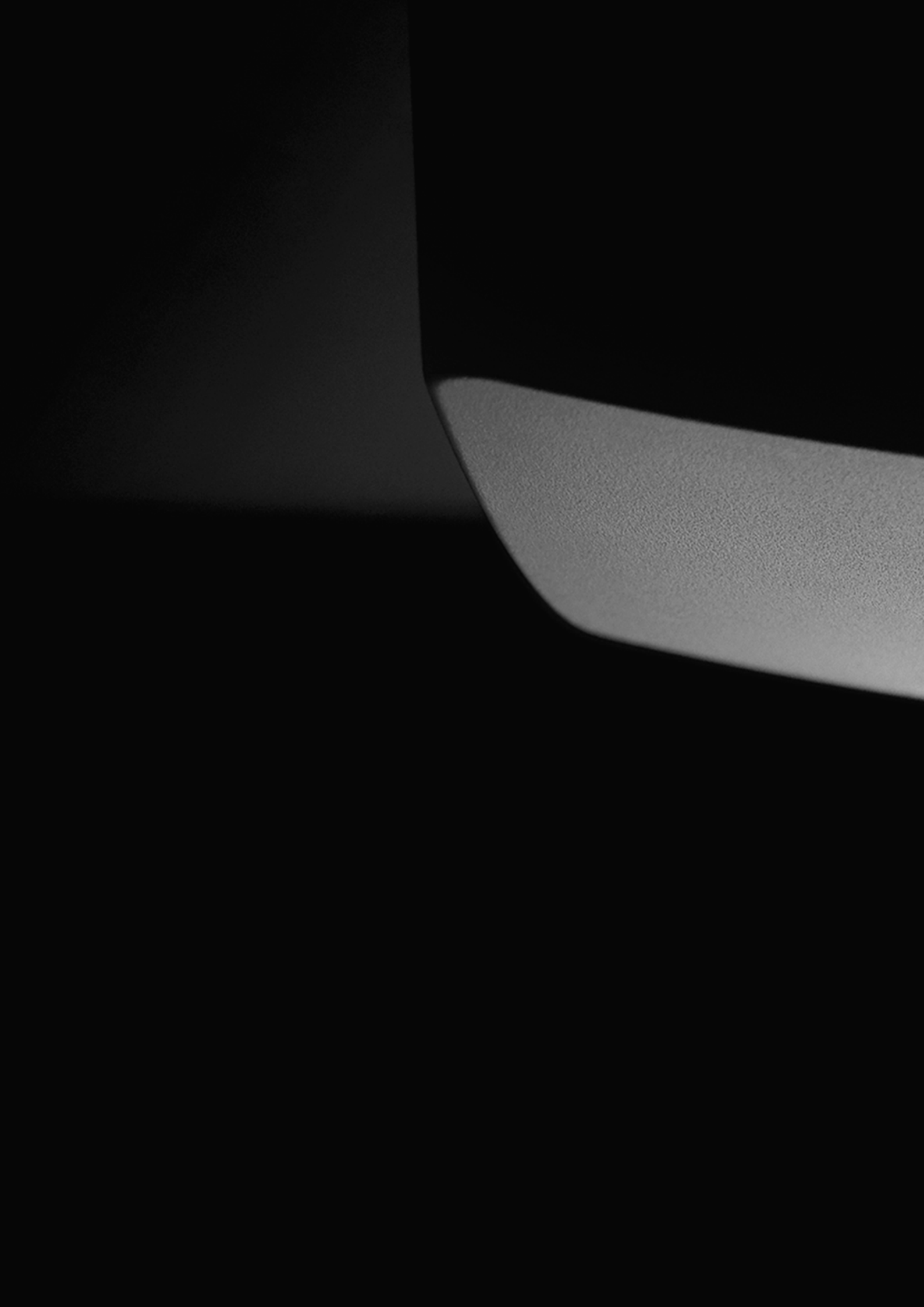
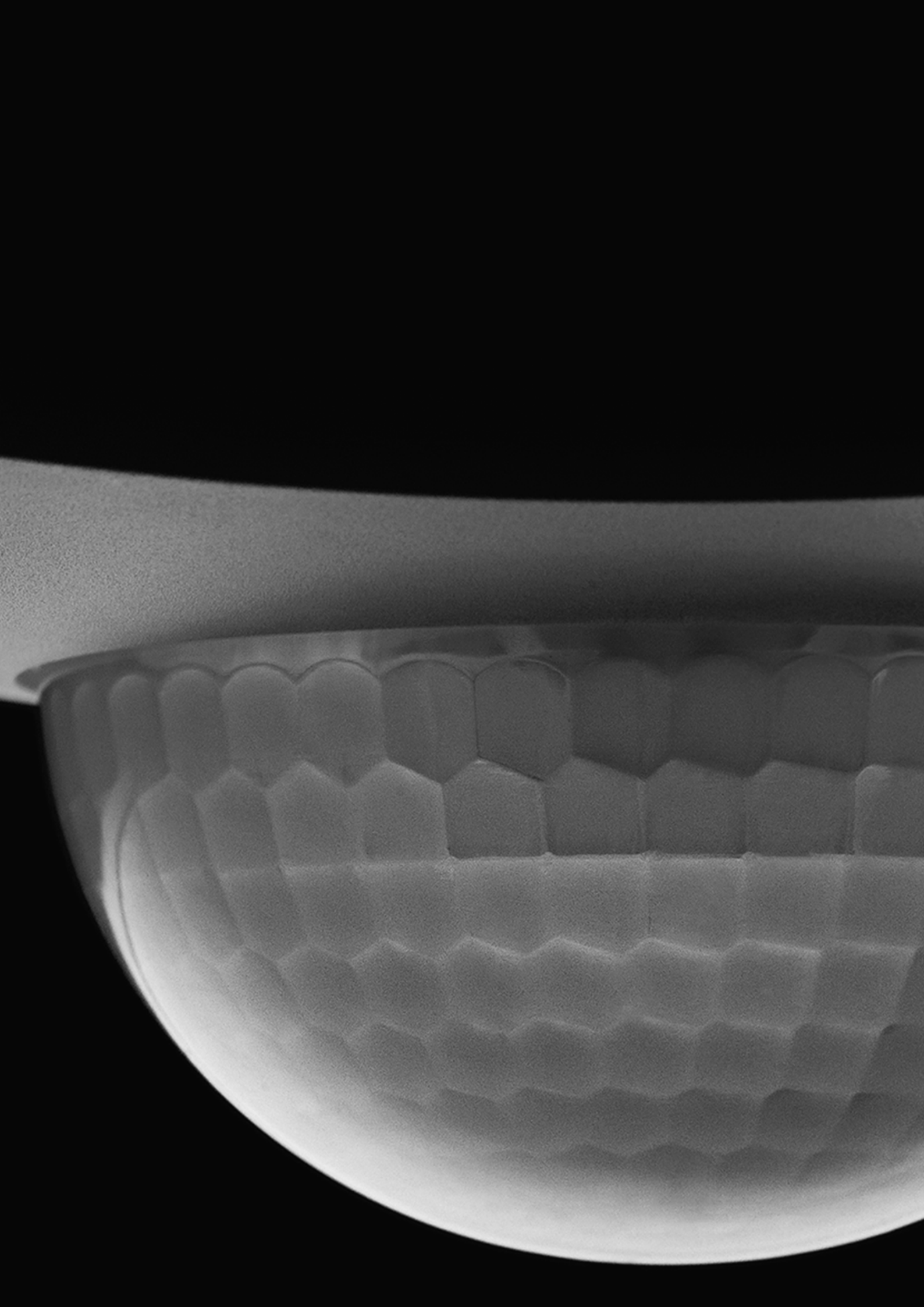


Sensor Product Catalogue

RUBICON
BMS





06 **Welcome**

07 **Passive Infrared Sensors**

15 **Microwave Sensors**

19 **DALI Sensors**

22 **Dual Tech Sensors**

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PROSenPSS1 25



PROSenPSS2 25



PROSenPSS3 26





Our range of PIR sensors and microwave presence detectors are designed to reduce the amount of time lighting is left on unnecessarily, for example if an area is unoccupied or if there is sufficient natural light.

A presence detector monitors the detection zone for occupancy. If a person is sensed then the detector will automatically turn the lighting on. When the area is vacated, the lighting will turn off after a pre-set time.

Most of our PIR sensors and microwave sensors have a built in light level (lux) sensor which will keep the lighting off if there is enough natural light available.

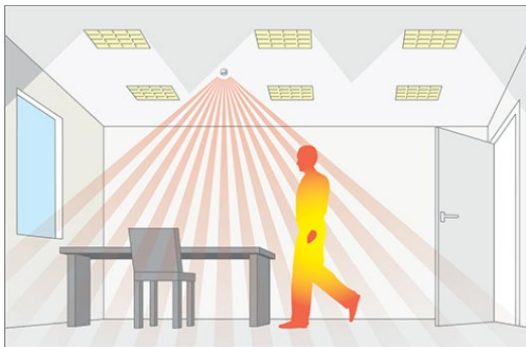
Controlling lighting with a presence detector can save up to 60% of lighting energy costs dependent on occupancy behaviour and the amount of natural light available.

PIRs and Microwave Detectors Compared:

PIR (Passive Infrared) presence detectors detect body heat and movement and are ideally suited where a defined detection pattern is required.

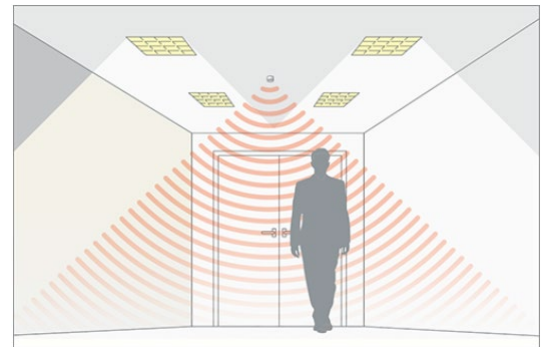
Microwave presence detectors are sensitive to movement and are ideal for large spaces and areas that have an awkward shape or where fine motion detection is required

PIR (Passive Infrared) Detection



PIR detectors work on detecting the movement of body heat. They are better suited to smaller spaces or where a defined detection pattern is required.

Microwave Detectors



Microwave Detectors are sensitive to objects that move, with much greater coverage and sensitivity. They can detect through glass, therefore careful consideration on location is needed in certain applications.

Passive Infrared Sensors

07



PROSenP01 (on/off)

IP20 rating



FEATURES:

- Passive infrared sensor
- 360° Detection angle
- 7m Detection area
- Recessed mounted
- 55° Sensor head adjustment
- Dual output

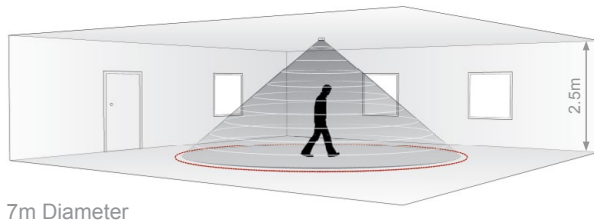


Ordering example: Product Name (e.g. PROSenP01)

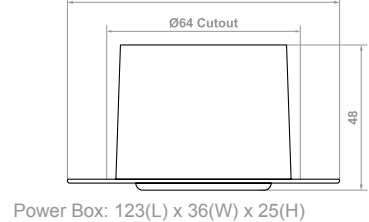
Supply Voltage	Frequency	Brightness Measurement Range	Output 1	Output 2 Dry Contact	Time Delay Range	Frame Colour
220V - 240V	50Hz	5/1000 Lux	1000W - Incandescent 900W - AC Halogen 180W - Fluorescent 150W - LED	400W - Incandescent 300W - AC Halogen 120W - Fluorescent 80W - LED	Time 1: 30s - 30min Time 2: 10s - 15min	White

DETAIL:

DETECTION AREA:



DIMENSIONS:



Knock-out for AC cable entry

Note:
Maximum cable size is 5 x 2.5mm²

PROSenP02 (on/off)

IP20 rating



FEATURES:

- Passive infrared sensor
- 360° Detection angle
- 7m Detection area
- Recessed mounted
- 3 PIN terminal

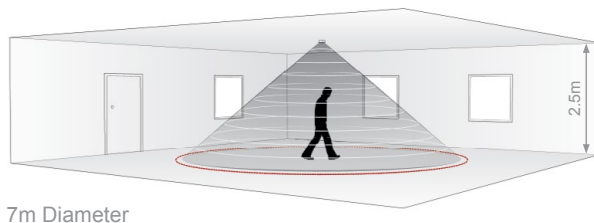


Ordering example: Product Name (e.g. PROSenP02)

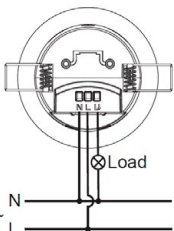
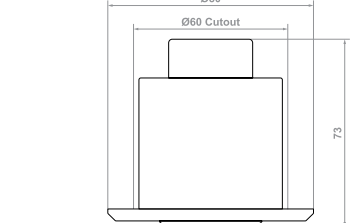
Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
220V - 240V	50Hz / 60Hz	10/2000 Lux	2000W - Incandescent 2000W - AC Halogen 1000W - Fluorescent 600W - LED	30s - 30min	White

DETAIL:

DETECTION AREA:



DIMENSIONS:



PROSenP03 (on/off)



FEATURES:

- Passive infrared sensor
- 360° Detection angle
- 9m Detection area
- Optional IR remote
- IP20 Recessed (R) optional mounting
- IP54 Surface (S) optional mounting
- Adjustable sensitivity
- Lux level sensing

Ordering example: Product Name (e.g. PROSenP03)



Optional IR remote

Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
220V - 240V	50Hz	10/2000 Lux	2200W - Incandescent 2200W - AC Halogen 1200VA - Fluorescent 600W - LED	30s - 30min	White

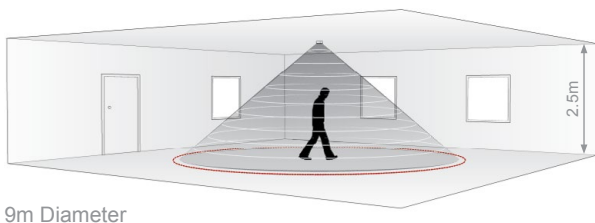
MOUNTING OPTIONS:



Recessed Mounting

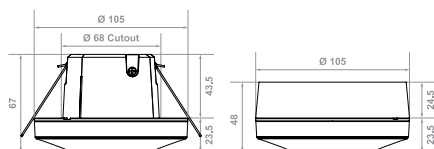
Surface Mounting

DETECTION AREA:



9m Diameter

DIMENSIONS:



Recessed Mounted

Surface Mounted

PROSenP04 (on/off)



FEATURES:

- Passive infrared sensor
- 360° Detection angle
- 25m Detection area
- Optional IR remote
- IP20 Recessed (R) optional mounting
- IP54 Surface (S) optional mounting
- Adjustable sensitivity
- Lux level sensing

Ordering example: Product Name (e.g. PROSenP04)



Optional IR remote

Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
220V - 240V	50Hz	10/2000 Lux	2200W - Incandescent 2200W - AC Halogen 1200VA - Fluorescent 600W - LE	30s - 30min	White

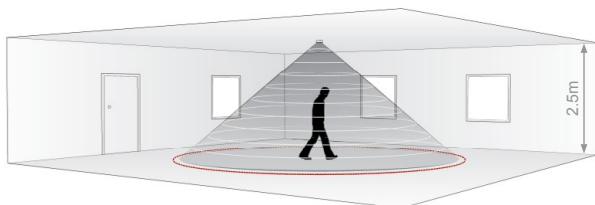
MOUNTING OPTIONS:



Recessed Mounting

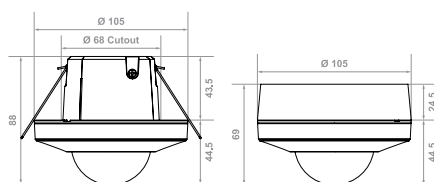
Surface Mounting

DETECTION AREA:



25m Diameter

DIMENSIONS:



Recessed Mounted

Surface Mounted

PROSenP05 (on/off)

IP20 rating



Optional IR remote

FEATURES:

- Passive infrared sensor
- 360° Detection angle
- 9m Detection area
- Optional IR remote
- Recessed mounted
- Dual output
- Adjustable sensitivity
- Lux level sensing

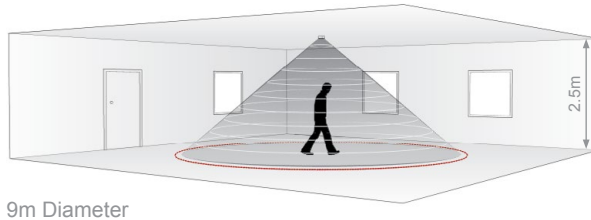
Ordering example: Product Name (e.g. PROSenP05)

Supply Voltage	Frequency	Brightness Measurement Range	Output 1	Output 2 Dry Contact	Time Delay Range	Frame Colour
220V - 240V	50Hz	10/2000 Lux	2000W - Incandescent 1000W - AC Halogen 750VA - Fluorescent 600VA - LED	5A for 12-250 VAC or 5A for 5-30 VDC	Time 1: 30s - 30min Time 2: 10s - 60min	White

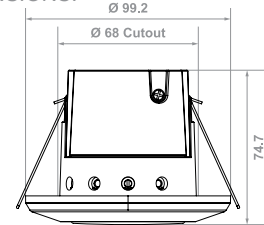
DETAIL:



DETECTION AREA:



DIMENSIONS:



PROSenP06 (on/off) - Cold Room Sensor

IP55 rating



FEATURES:

- Passive infrared sensor
- Temperature range: -30°C to 35°C
- 360° Detection angle
- 7m Detection area
- 10A of lighting and/or ventilation
- Recessed (R) & surface (S) mounting options

Ordering example: Product Name/Mounting (e.g. PROSenP06/R)



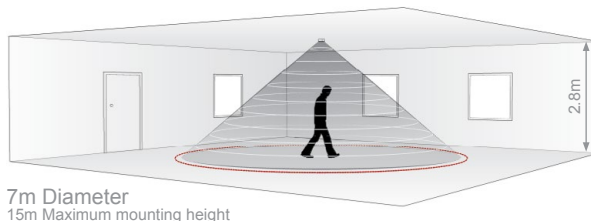
Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
230VAC	50Hz	0/1000 Lux	10A	10s - 99min	White

DETAIL:

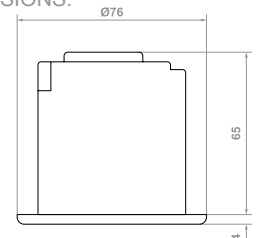


With extended wiring housing

DETECTION AREA:



DIMENSIONS:



PROSenP08 - Wall Mounted

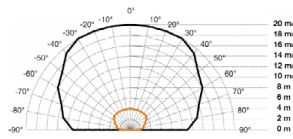


- FEATURES:**
- Passive infrared sensor
 - 180° Detection angle with 90° aperture
 - 20m Detection area
 - 5.8Ghz HF system
 - Wall mounted

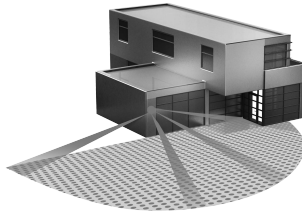
Ordering example: Product Name (e.g. PROSenP08)

Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
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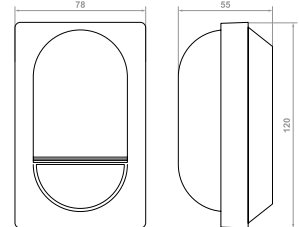
DETAIL:



DETECTION AREA:



DIMENSIONS:





PROSenP09 - Hibay



FEATURES:

- Passive infrared sensor
- 360° Detection angle with 45° aperture
- 36m Detection area
- Ideal for high ceilings
- 1416 Switching zones
- UV-resistant housing
- Surface mounted

Ordering example: Product Name (e.g. PROSenP09)



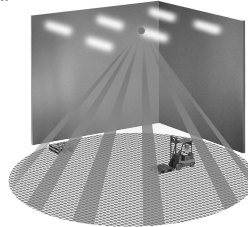
Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
220V - 240V	50Hz / 60Hz	1/1000 Lux	2000W - Incandescent	5s - 15min	White

OPTIONS:

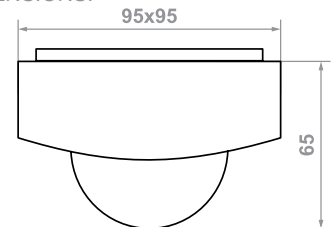


Remote control

DETECTION AREA:



DIMENSIONS:



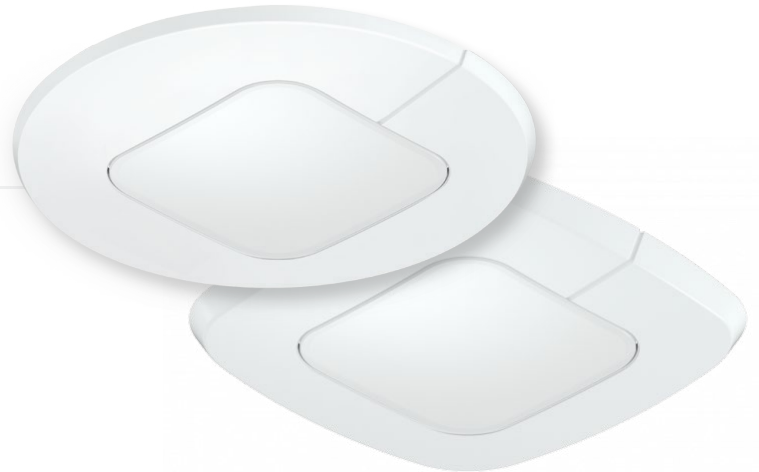
PROSenP10



FEATURES:

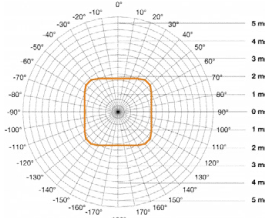
- Passive infrared sensor
- 6mm Height
- 360° Detection angle
- 4m Detection area
- Recessed mounted
- Round (Rnd) or Square (Sq) frame

Ordering example: Product Name/Frame (e.g. PROSenP10/Rnd)

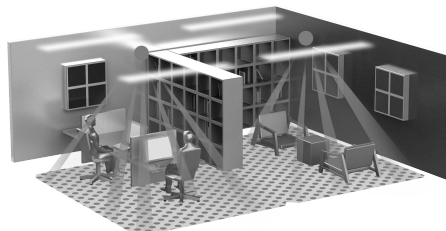


Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
220V - 240V	50Hz / 60Hz	10/1000 Lux	1000W - Incandescent	30s - 30min	White

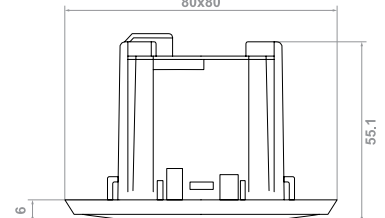
DETAIL:



DETECTION AREA:



DIMENSIONS:





PROSenP11 - Isle Sensor



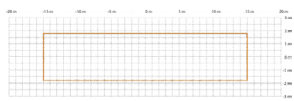
FEATURES:

- Passive infrared sensor
- 360° Detection angle with 9° aperture
- 120m² Detection area
- 280 Switching zones
- Surface mounted

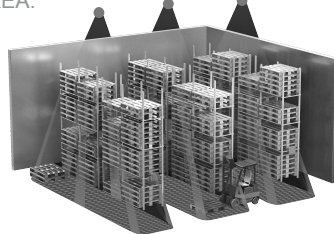
Ordering example: Product Name (e.g. PROSenP11)

Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
220V - 240V	50Hz / 60Hz	2/1000 Lux	2000W - Incandescent	5s - 15min	White

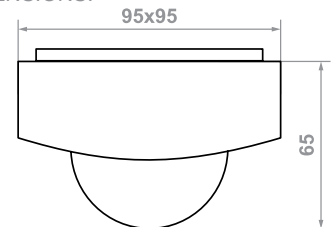
DETAIL:



DETECTION AREA:



DIMENSIONS:



PROSenP12 - Wall Mounted



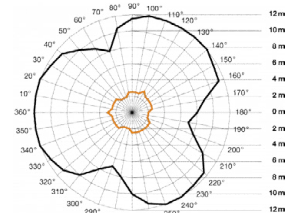
FEATURES:

- Passive infrared sensor
- 300° Detection angle with 180° aperture
- 24m Detection area
- Ideal for corner situations
- Wall mounted

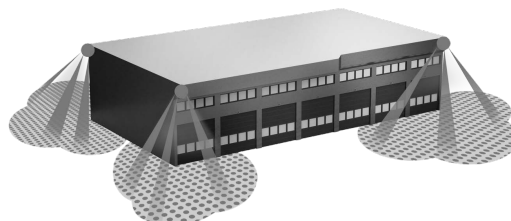
Ordering example: Product Name (e.g. PROSenP12)

Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
230V - 240V	50Hz / 60Hz	2/2000 Lux	2000W - Incandescent	10s - 15min	White

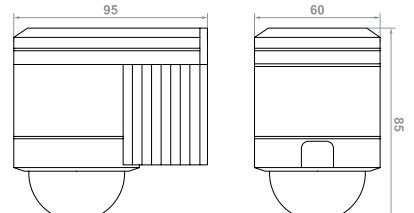
DETAIL:



DETECTION AREA:



DIMENSIONS:





PROSenP13 - Wall Mounted



FEATURES:

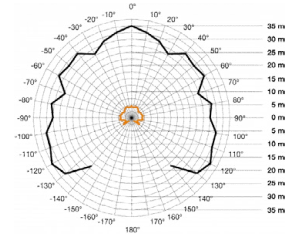
- Passive infrared sensor
- 300° Detection angle
- 35m Detection area
- 1360 Switching zones
- Wall mounted

Ordering example: Product Name (e.g. PROSenP13)

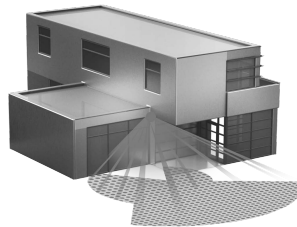


Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
230V - 240V	50Hz / 60Hz	2/2000 Lux	2000W - Incandescent	10s - 15min	White/Black

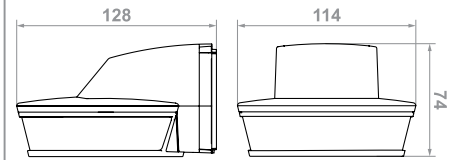
DETAIL:



DETECTION AREA:



DIMENSIONS:



PROSenP14 - Wall Mounted



FEATURES:

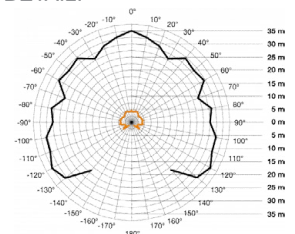
- Passive infrared sensor
- 300° Detection angle
- 30m Detection area
- 1360 Switching zones
- Wall mounted

Ordering example: Product Name (e.g. PROSenP14)

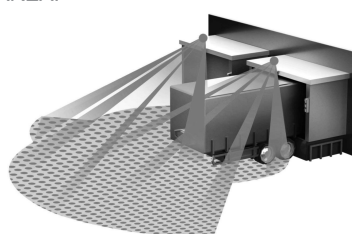


Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
230V - 240V	50Hz / 60Hz	2/2000 Lux	2000W - Incandescent	10s - 15min	White

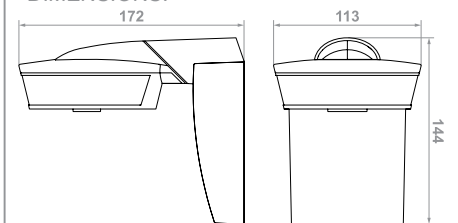
DETAIL:



DETECTION AREA:



DIMENSIONS:



Microwave Sensors

15



PROSenM01 (on/off)



FEATURES:

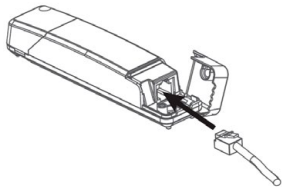
- Microwave sensor
- 360° Detection angle
- 7m Detection area
- Recessed mounted
- 55° Sensor head adjustment
- Adjustable sensitivity
- Lux level sensing



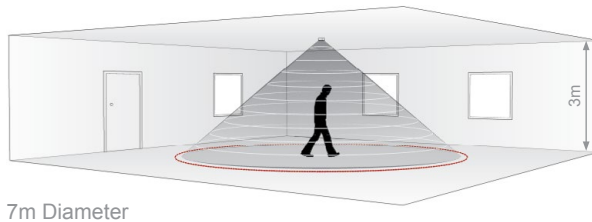
Ordering example: Product Name (e.g. PROSenM01)

Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
220V - 240V	50Hz	5/1000 Lux	1000W - Incandescent 500W - AC Halogen 200W - Fluorescent 150W - LED	30s - 30min	White

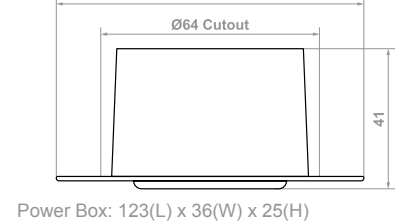
DETAIL:



DETECTION AREA:



DIMENSIONS:



PROSenM02 (on/off)



FEATURES:

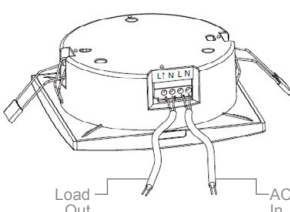
- Microwave sensor
- 360° Detection angle
- 8m Detection area
- Recessed mounted
- Adjustable sensitivity
- Lux level sensing



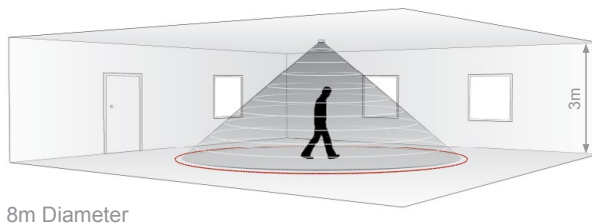
Ordering example: Product Name (e.g. PROSenM02)

Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
220V - 240V	50Hz	1/2000 Lux	1000W - Incandescent 500W - AC Halogen 200W - Fluorescent 150W - LED	5s - 30min	White

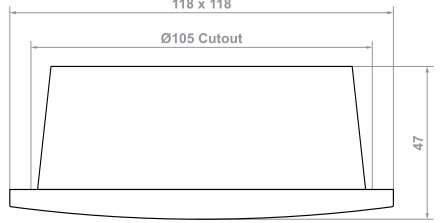
DETAIL:



DETECTION AREA:



DIMENSIONS:



PROSenM03 (on/off)



FEATURES:

- 360° Detection angle
- 5m Detection area
- Compact dimensions
- Dual output
- Recessed mounted
- Optional 5m RJ45 cable (5m-EXT)

Ordering example: Product Name/Option (e.g. PROSenM03/5m-EXT)



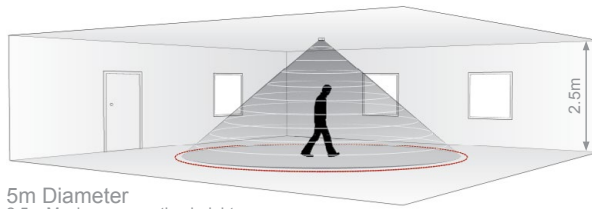
Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
230V	50Hz	5/∞ Lux	2000W - Incandescent 5A - Second output	1s - 30min	White

OPTION:



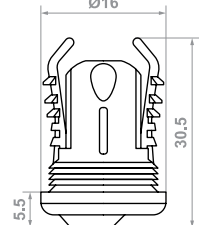
5m RJ45 plug & cable (5m-EXT)

DETECTION AREA:



5m Diameter
2.5m Maximum mounting height

DIMENSIONS:



PROSenM04 (on/off)



FEATURES:

- Microwave sensor
- 5.8GHz CW radar
- 360° Detection angle
- 10m Detection area
- Recessed (R) & surface (S) mounting options

Ordering example: Product Name/Mounting (e.g. PROSenM04/R)

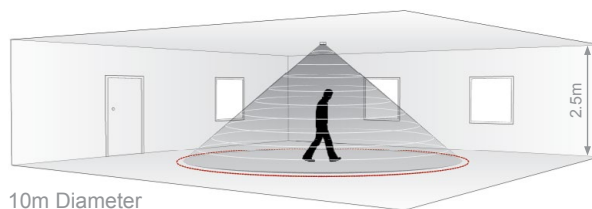


Supply Voltage	Frequency	Daylight Harvesting	Output	Time Delay Range	Frame Colour
220V - 240V	50Hz / 60Hz	10/500 Lux	2000W - Incandescent	10s - 30mins	White

DETAIL:

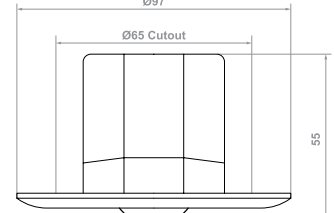


DETECTION AREA:



10m Diameter
2.5m Maximum mounting height

DIMENSIONS:



PROSenM05



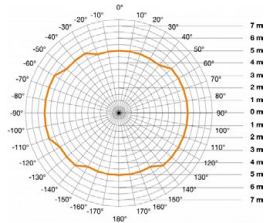
FEATURES:

- Microwave sensor
- 360° Detection angle with 140° aperture
- 12m Detection area
- 5.8Ghz HF system
- Recessed (R) & surface (S) mounting options

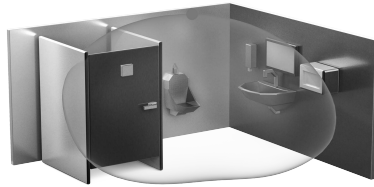
Ordering example: Product Name/Mounting (e.g. PROSenM05/R)

Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
230V	50Hz / 60Hz	10/1000 Lux	2000W - Incandescent	30s - 30min	White

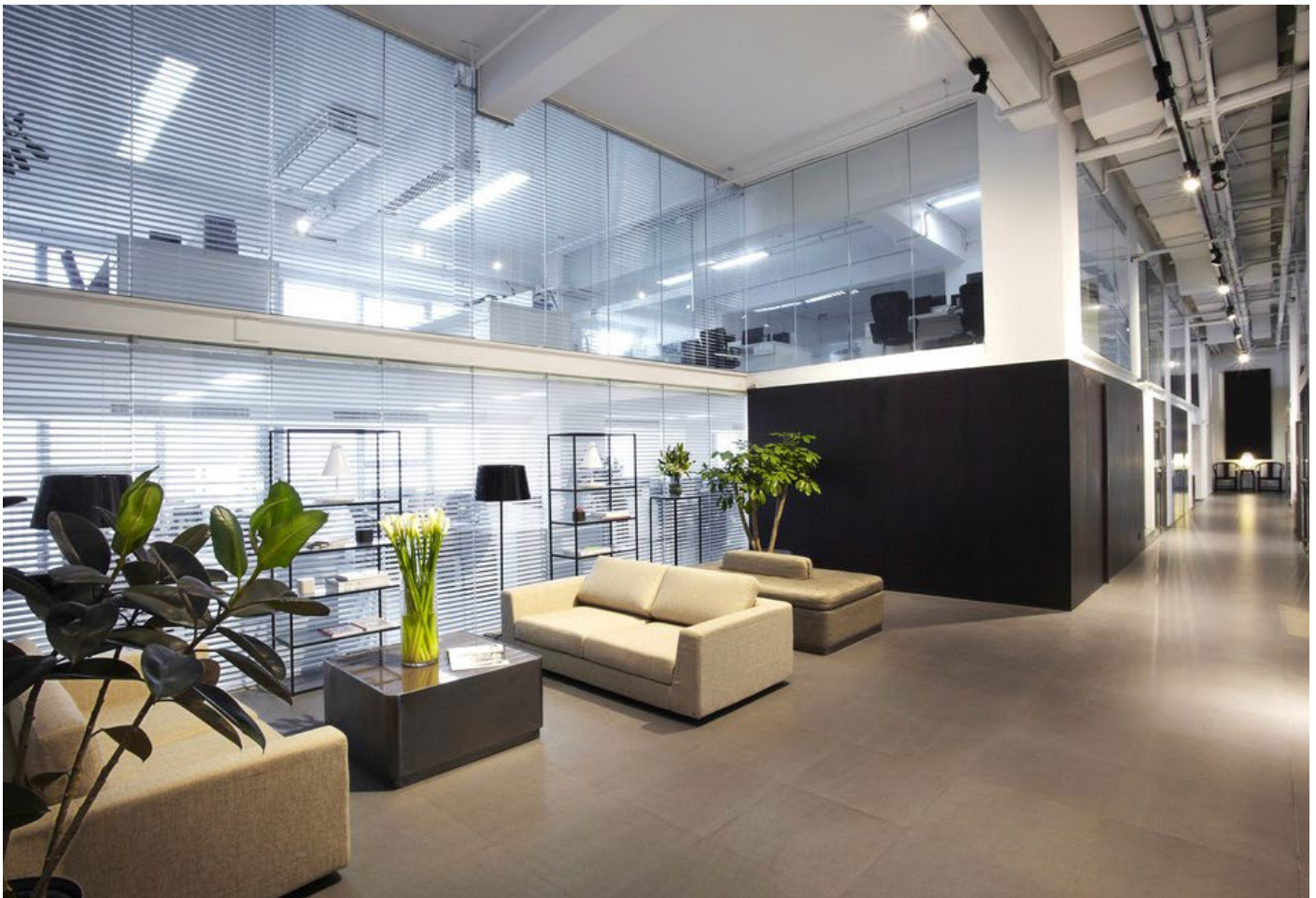
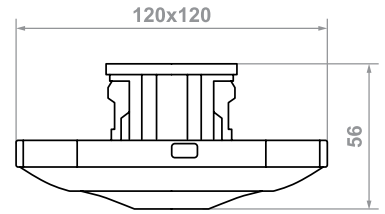
DETAIL:



DETECTION AREA:



DIMENSIONS:



DALI Sensors

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PROSenD01 (DALI/DSI)



FEATURES:

- Passive infrared sensor
- 360° Detection angle
- 7m Detection area
- Protection - isol.class II
- 20 drivers/ballasts
- Recessed (R) & surface (S) mounting options
- Programming required

Ordering example: Product Name/Mounting (e.g. PROSenD01/R)



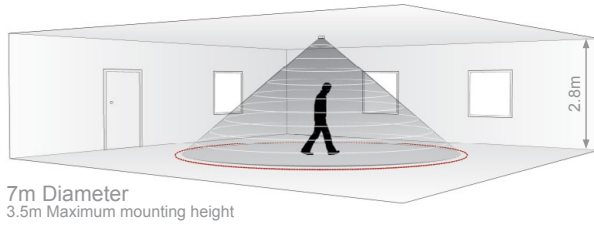
Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
230V	50Hz	5/1000 Lux	Output 1: Max. 20 DALI/DSI/Ballasts Output 2: 10A	10s - 99min	White

OPTION:

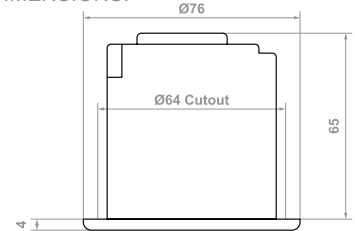


Surface Mounting Box

DETECTION AREA:



DIMENSIONS:



PROSenD02 (DALI Slave)



FEATURES:

- Passive infrared sensor
- 360° Detection angle
- 7m Detection area
- Protection - isol.class II
- Recessed (R) & surface (S) mounting options

Ordering example: Product Name/Mounting (e.g. PROSenD02/R)

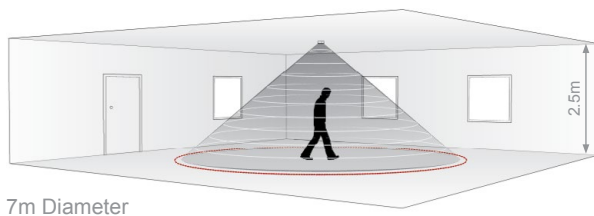


Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
9.5VDC - 22.5VDC (via DALI)	-	5/1000 Lux	Determined by BMS	Determined by BMS	White

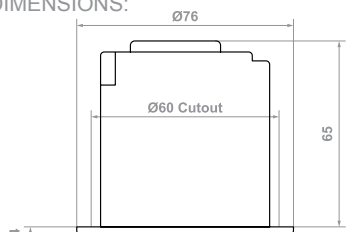
DETAIL:



DETECTION AREA:



DIMENSIONS:



PROSenD03 (on/off) - Hibay Sensor (DALI/DSI)



FEATURES:

- Passive infrared sensor
- Suitable for Hi-bays
- 360° Detection angle
- 40m Detection area
- 10A of lighting and/or ventilation
- Recessed (R) & surface (S) mounting options
- 20 DALI/DSI ballasts
- Programming required

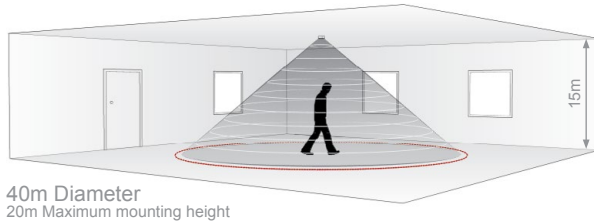
Ordering example: Product Name/Mounting (e.g. PROSenD03/R)

Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
230VAC	-	0/1000 Lux	Channel 1: 20 DALI devices Channel 2: 10A	10s - 99min	White

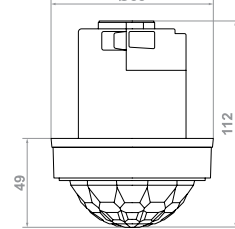
DETAIL:



DETECTION AREA:



DIMENSIONS:



PROSenD04 (DALI Slave) - Hibay Sensor



FEATURES:

- Passive infrared sensor
- Suitable for Hi-bays
- 360° Detection angle
- 40m Detection area
- Recessed (R) & surface (S) mounting options

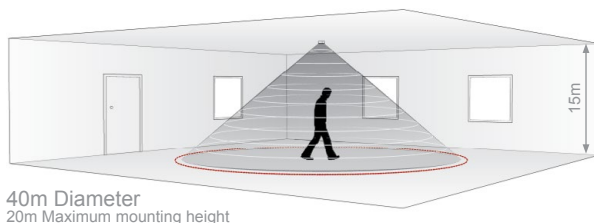
Ordering example: Product Name/Mounting/Shield (e.g. PROSenD04/R/SN)

Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
9.5VDC - 22.5VDC (via DALI)	-	0/1000 Lux	Determined by BMS	Determined by BMS	White

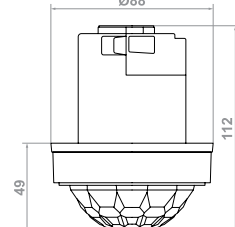
SHIELD OPTIONS:



DETECTION AREA:



DIMENSIONS:



Dual Tech Sensors

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PROSenDT01 (on/off) - Dual Tech

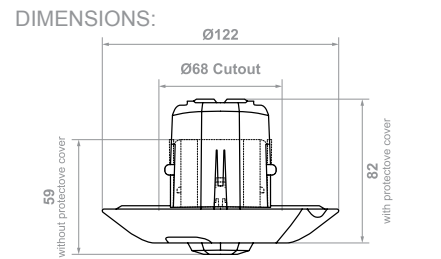
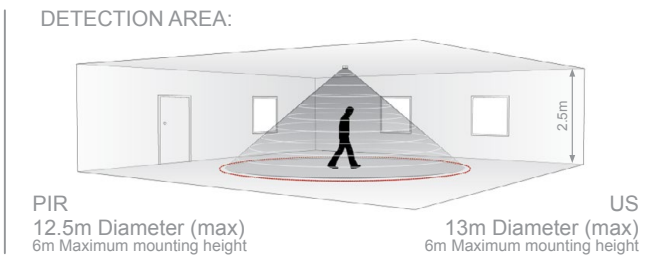


FEATURES:

- Passive infrared & Ultrasound sensor
- 360° Detection angle
- 7m Detection area
- Recessed mounted

Ordering example: Product Name (e.g. PROSenDT01)

Supply Voltage	Frequency	Brightness Measurement Range	Output	Time Delay Range	Frame Colour
100V - 240V	50Hz / 60Hz	500 Lux	2000W - Incandescent 2000W - Halogen 500VA - LED	15mins Default	White



Smart Sensor

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PROSenPSS1



FEATURES:

- Max 25 x 3 m
- IP20
- 10 - 1000 lux
- 10 - 1092 min
- Ideal 2,5 - 3,5 m

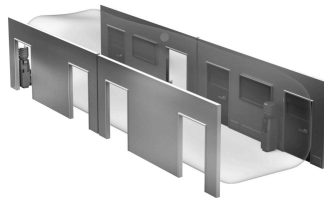
Ordering example: Product Name (e.g. PROSenPSS1)

Type	Radial	Detection angle	Angle of aperture	Optimum mounting height 2,8 m	Sensor Technology	HF-system
Presence detector	25 x 3 m (75 m ²)	360 °	140 °	2,8 m	Sensor Technology	5,8 GHz

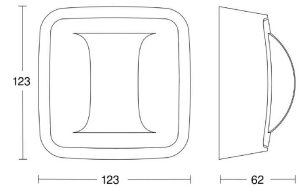
DETAIL:

KNX bus
Indoors
Ceiling
Surface wiring

DETECTION AREA:



DIMENSIONS:



PROSenPSS2



FEATURES:

- High frequency sensor 360°
- Movement Ø 15 m
- Presence Ø 15 m
- True Presence Ø 9m
- Brightness
- Air humidity

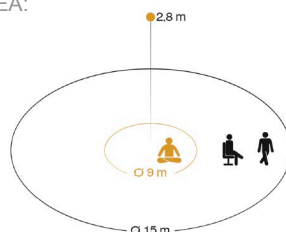
Ordering example: Product Name (e.g. PROSenPSS2)

Type	Radial	Detection angle	Angle of aperture	Optimum mounting height 2,8 m	HF-system
Presence detector	Ø 15 m (177 m ²)	360 °	160 °	2,8 m	7,2 GHz

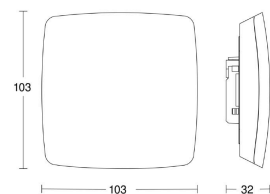
DETAIL:

KNX bus
Indoors
Ceiling
Concealed wiring

DETECTION AREA:



DIMENSIONS:



PROSenPSS3



FEATURES:

- Air humidity
- Air pressure
- Brightness
- CO2
- Temperature
- VOC

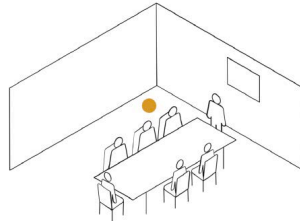
Ordering example: Product Name (e.g. PROSenPSS3)

Type	Power consumption	Sensor Technology	Mounting height	Optimum mounting height	Mains power supply
Other	0,5 W	Multisensor	4,00 m	2,8 m	30 V

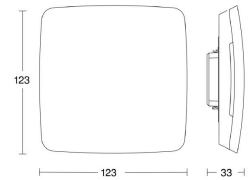
MOUNTING OPTIONS:

- KNX bus
- Indoors
- Ceiling
- Concealed wiring

DETECTION AREA:



DIMENSIONS:



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