SAL

SINCE 1998
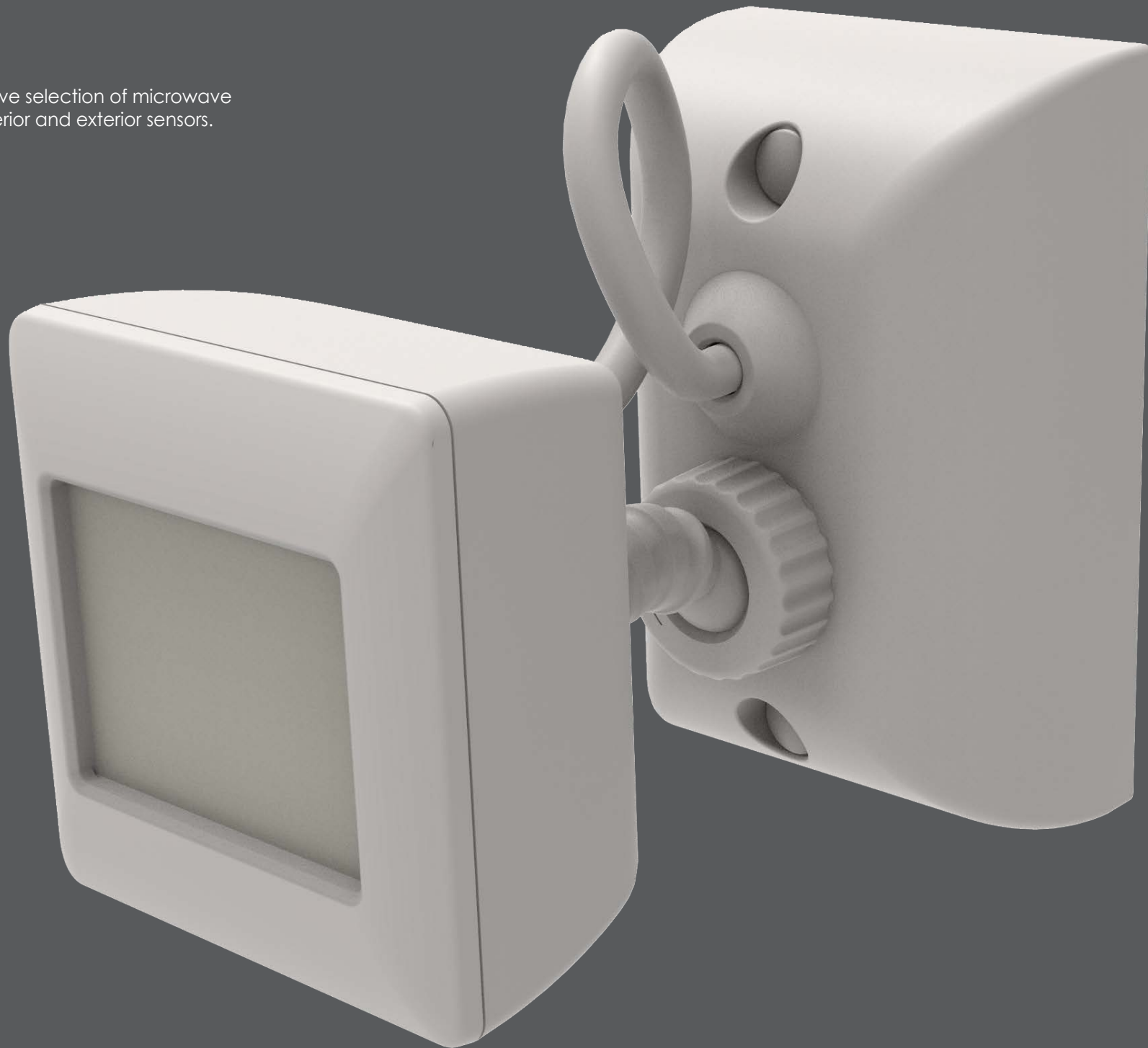
2024/25

SMARTER
LIGHTING
CHOICES

An innovative selection of microwave and PIR interior and exterior sensors.

P612	MANTIS SMS806WF

P614	SENSOR SMS751ELV

P615	SENSOR SMS761

P617	SENSOR SMS803CD

P618	SENSOR SMS804CR

P619	SENSOR SMS805CS

P620	SENSOR SMS807CR

MANTIS SMS806WF

Multifunction PIR Sensor with photocell and override functions - surface mount IP66
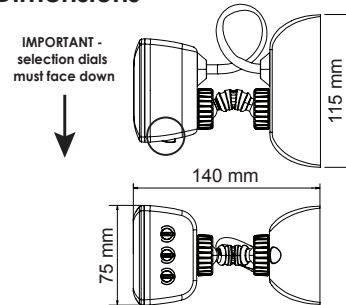
Application

Versatile residential and commercial sensor applications
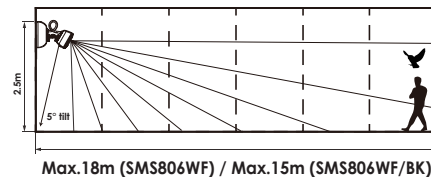
Design Specifications

- 3 wire design for interior or exterior use in a choice of GREY or BLACK
- Selectable dusk to dawn (PE) or motion sensor control functions
- Manual override function
- Sensitivity, time, light level or PE cell adjustments can be set manually or via the optional remote control
- Maximum loads (LED) 500W, (CFL) 1000W, (Halogen) 2000W
- Detection angle 110° up to 18 metres at a height of 1.8 - 2.5hm (Black model detection range 15 metres).
- The controller (SMS806WF/RC) contains batteries and is designed for trade use only.

Dimensions

IMPORTANT - selection dials must face down

115 mm
140 mm
75 mm

Detection range

2.5m
5° tilt

Max.18m (SMS806WF) / Max.15m (SMS806WF/BK)

Technical Specifications

Model No.	Input (V)/(Hz)	Detection Motion Speed	IP Rating	Sensor Type	Mounting	Colour
SMS806WF	240/50	0.6~1.5 (m/s)	IP66	PIR or PE	Ceiling or wall	Grey
SMS806WF/BK	240/50	0.6~1.5 (m/s)	IP66	PIR or PE	Ceiling or wall	Black

MANTIS SMS806WF MULTIFUNCTION CONTROL SENSOR

Selectable dusk to dawn or motion sensor control

SELECTABLE DUSK TO DAWN

SELECTABLE PIR MOTION

Manual override function

Multifunction sensor

IP66

Selectable dusk to dawn or motion sensor control

Choice of black or grey

Optional remote control

SENSOR
SMS751ELV

Microwave ELV motion corridorSTANDBY sensor IP20
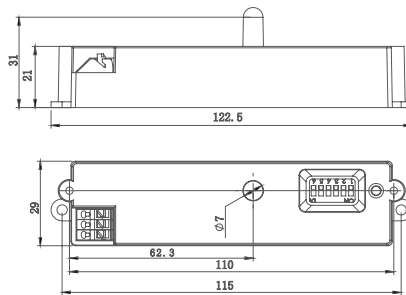
Application

Versatile microwave corridorSTANDBY sensor. SAL factory fitted sensor option for approved products only, not for individual sale
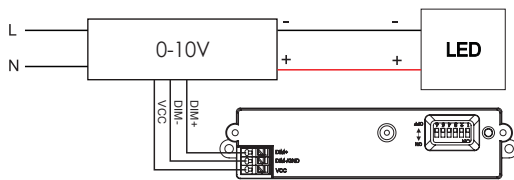
Design Specifications

- Power source input: 12-24V DC, output 0-10V DC, 30mA sinking current
- Detection radius max 8m, angle 360°, max 2.5hm
- Power consumption <0.5W
- HF system: 5.8GHz

Dimensions

Wiring Diagram

Technical Specifications

Model No.	Output (V DC)	Dim Control Output	IP Rating	Mounting	Colour
SMS751ELV	0-10	0-10V Max.30mA sinking current	IP20	Factory fitted	White

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SENSOR
SMS761

Daylight harvesting sensor IP20
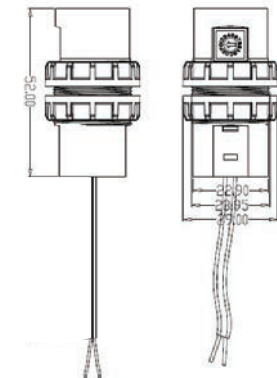
Application

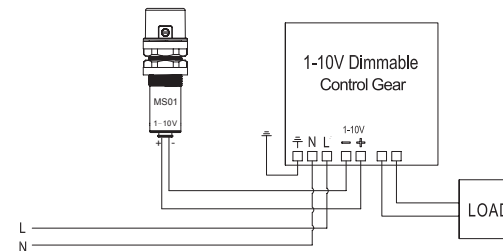Innovative recessed daylight harvesting sensor

Design Specifications

- Operating voltage: 1-10Vdc
- Maximum quantity of connected devices is 30 or a maximum current sink of 50mA
- Dimming range: 1%~100%
- Colour coding of cable: Red+, Black-
- Cable length: 80cm
- Detection angle: 90°

Dimensions

Wiring Diagram

Technical Specifications

Model No.	Output (V DC)	Detection Angle	IP Rating	Mounting	Colour
SMS761	1-10	90°	IP20	Recessed	Grey

For terms of catalogue data use, refer to INDEX

sal.net.au

WE HAVE THE SOLUTION!

Check out the HIGHBAY section of this catalogue for a range of super low profile dimmable LED highbays with sensor control; ideal for commerical or industrial warehouse spaces.

SENSOR
SMS803CD

Infrared occupancy sensor, surface or recessed

Application

Recessed or surface mount infrared interior sensor

Design Specifications

- Switched power 2000W incandescent, 600W Fluorescent, 300W LED
- Standby power <1W
- Detection distance Max. Ø 18 m at 3hm, detection angle 360°
- Duration Time / 10sec / 40min adjustable
- Dusk to Dawn adjustable

Manual override mode

- When the lamp(s) is switched on, turn the lamp(s) off/on twice within 3 seconds, the sensor will go to an 8 hour override mode, during which the lamp(s) will stay on. The sensor will then return to normal detection mode.
- During override mode, turn the lamp(s) on/off twice within 3 seconds or turn off the lamp(s) for over 10 seconds, the sensor will return to normal detection mode
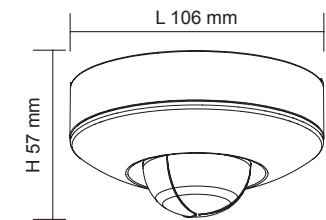
IP20   ta25   SENSOR

SMS803CD surface mount

Ø 92 mm

SMS803CD recessed

Dimensions

L 106 mm

H 57 mm

Detection range

360°

3 m

18 m

Technical Specifications

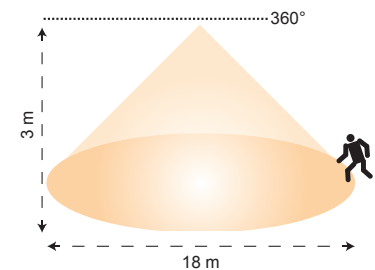| Model No.	Input (V)/(Hz)	Detection Range	IP Rating	Type	Mounting	Colour
SMS803CD	240/50	18m Max. at 3m	IP20	Infrared	Surface mount or recessed	White

For terms of catalogue data use, refer to INDEX

SENSOR
SMS804CR

Infrared sensor - recessed

Application

Versatile IP20 recessed sensor designed for residential and commercial applications

Design Specifications

- Switched power 2000W incandescent, 500W fluorescent, 300W LED
- Standby power <1W
- Detection distance Max. Ø 9m at 3hm
- Detection angle 360°, Duration Time / 10sec / 4min adjustable
- Dusk to Dawn adjustable

Manual override mode

- When the lamp(s) is switched on, turn the lamp(s) off/on twice within 3 seconds, the sensor will go to an 8 hour override mode, during which the lamp(s) will stay on. The sensor will then return to normal detection mode.
- During override mode, turn the lamp(s) on/off twice within 3 seconds or turn off the lamp(s) for over 10 seconds, the sensor will return to normal detection mode
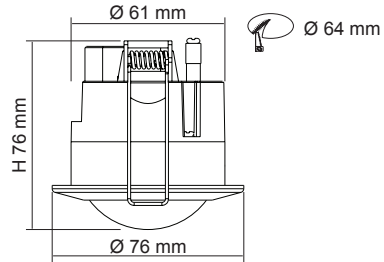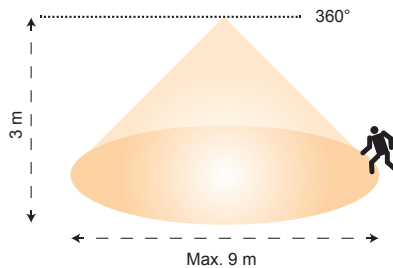
IP20 **ta25** SENSOR

Dimensions

Ø 61 mm
Ø 64 mm
H 76 mm
Ø 76 mm

Detection range

360°
3 m
Max. 9 m

Technical Specifications

Model No.	Input (V)/(Hz)	Detection Range	IP Rating	Type	Mounting	Colour
SMS804CR	240/50	9m Max. at 3hm	IP20	Infrared	Recessed	White

100% AUSTRALIAN OWNED AND OPERATED

SENSOR
SMS805CS

Infrared sensor - surface mount

Application

IP20 surface mount sensor designed for residential and commercial spaces

Design Specifications

- Switched power 1600W incandescent, 500W fluorescent, 200W LED, colour white
- Standby power <1W
- Detection distance Max. Ø 12m at 3hm
- Detection angle 360° , Duration Time / 10sec / 4min adjustable
- Dusk to Dawn adjustable

Manual override mode

- When the lamp(s) is switched on, turn the lamp(s) off/on twice within 3 seconds, the sensor will go to an 8 hour override mode, during which the lamp(s) will stay on. The sensor will then return to normal detection mode.
- During override mode, turn the lamp(s) on/off twice within 3 seconds or turn off the lamp(s) for over 10 seconds, the sensor will return to normal detection mode
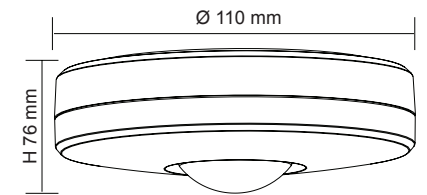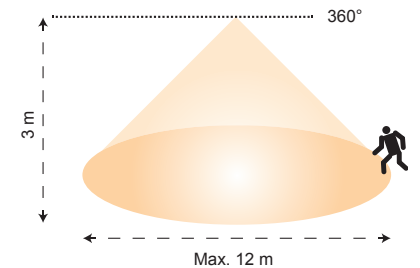
IP20 **ta25** SENSOR

Dimensions

Ø 110 mm
H 76 mm

Detection range

360°
3 m
Max. 12 m

Technical Specifications

Model No.	Input (V)/(Hz)	Detection Range	IP Rating	Type	Mounting	Colour
SMS805CS	240/50	12m Max. at 3hm	IP20	Infrared	Ceiling mount	White

For terms of catalogue data use, refer to INDEX

SENSOR
SMS807CR

PIR Sensor - recessed mount, 40mm cut-out

Application

Versatile residential and commercial sensor

Design Specifications

- Switched power 800W incandescent, 400W fluorescent, 300W LED
- Standby power <0.5W
- Detection distances:
  Max. Ø 6.0m at 4.0hm.
  Max. Ø 4.0m at 2.2hm.
- Detection angle 360°,
- Adjustable time delay Min. 10sec / Max. 7min
- Adjustable light (lux) sensitivity <10 - 2000 lux
- Manual override function, low profile white design, Ø 40mm cut-out

Manual override mode

- When the lamp(s) is switched on, turn the lamp(s) off/on twice within 3 seconds, the sensor will go to an 8 hour override mode, during which the lamp(s) will stay on. The sensor will then return to normal detection mode.
- During override mode, turn the lamp(s) on/off twice within 3 seconds or turn off the lamp(s) for over 10 seconds, the sensor will return to normal detection mode
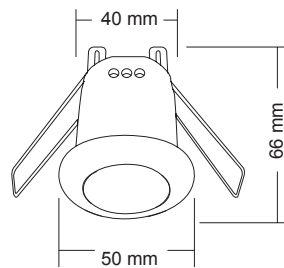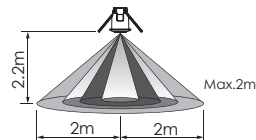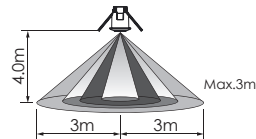
IP20 **ta25** SENSOR

Dimensions

Ø 40 mm

40 mm
66 mm
50 mm

Detection range

4.0m
3m 3m
Max.3m

2.2m
2m 2m
Max.2m

Technical Specifications

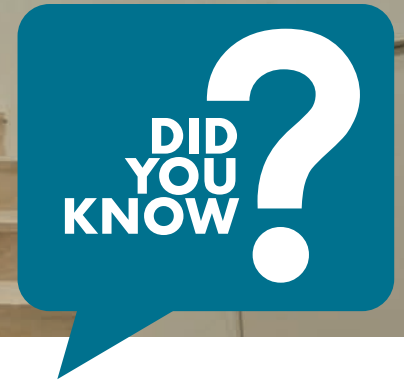| Model No.	Input (V)/(Hz)	Detection Motion Speed	IP Rating	Sensor Type	Mounting	Colour
SMS807CR	240/50	0.6~1.5 (m/s)	IP20	PIR	Recessed	White

100% AUSTRALIAN OWNED AND OPERATED

SMS803CD
surface mount

DID YOU KNOW?

So what is the difference between MW, IR or PIR sensors?

Microwave sensors detect motion by projecting microwaves, which bounce off surfaces and returns the signal to the controlling sensor; IR sensors emit in order to identify heat or movement of an object measuring only infrared radiation and a PIR sensor measures infrared light radiating from objects in its field of view.

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