



# SMARTER LIGHTING CHOICES

SINCE 1998



INTERIOR LIGHTING



EXTERIOR LIGHTING

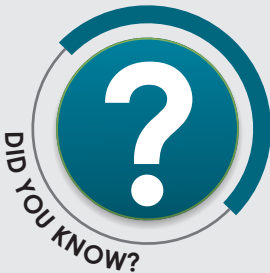


SMART LIGHTING  
CONTROLS



## SENSORS

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



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.

*Need more information on sensors ? Check out the SAL web FAQ's or speak to your local SAL team member.*



## SENSOR SMS731

Microwave motion sensors IP65

### Application

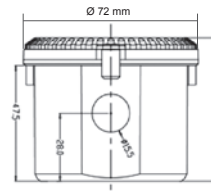
Versatile IP65 residential and commercial sensor

### Design Specifications

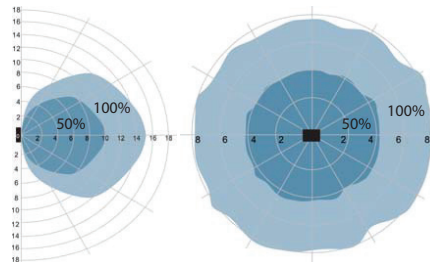
- Input voltage: 120~277Vac, 50/60Hz
- Rated load: 800W
- Detection area: 8m Max. (radius)adjustable
- Hold time: 5s/30s/1min/3min/5min/10min/20min/30min
- Daylight sensor: 5lux/15lux/30lux/50lux/100lux/150lux/Disable
- Stand-by period: 0s/10s/1min/3min/5min/10min/30min/+∞
- Stand-by dimming level: 10%/20%/30%/50%
- Sensor principle: Microwave motion detector
- Microwave frequency: 5.8GHz ± 75MHz
- Transmitting power: <0.5mW
- Mounting height: 3~15m
- Detection angle: 150° (wall installation), 360° (ceiling installation)
- Motion detection: 0.5~3m/s



### Dimensions



### Detection range



### Performance

Sensor Mount - Remote

Sensor Type - Microwave



### Technical Specifications

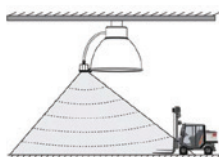
Model No.	Input (V)/(Hz)	Max. Load (W)	Detection Range	IP Rating	Type	Mounting	Colour
SMS731LC	240/50	800	Max. 16m	IP65	Microwave	Clip Mount	Black
SMS731CS	240/50	800	Max. 16m	IP65	Microwave	Ceiling Mount	Black
SMS731WS	240/50	800	Max. 16m	IP65	Microwave	Wall Mount	Black
SMS731LP	240/50	800	Max. 16m	IP65	Microwave	External	Black

For terms and conditions of catalogue data use, refer to INDEX

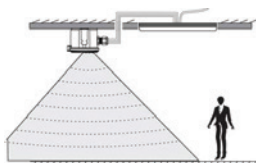


## Installation Options

**SMS731LC**



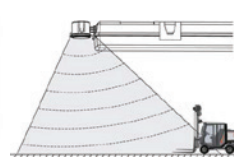
**SMS731CS**



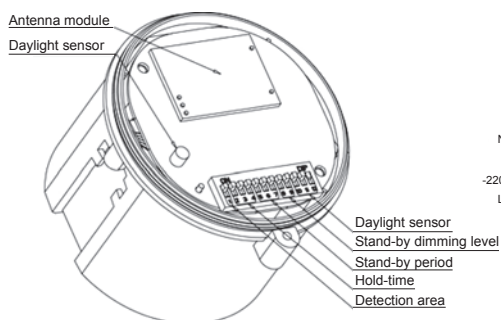
**SMS731WS**



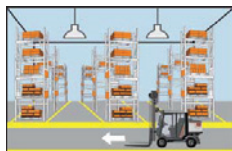
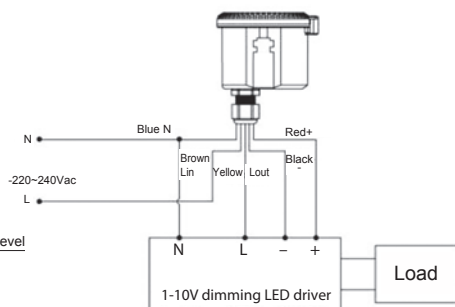
**SMS731LP**



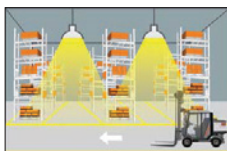
## Function Settings



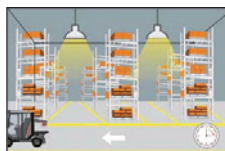
## Wiring Diagram



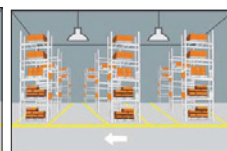
Ambient lux > Set daylight lux  
Light keeps off



Motion activated  
Light turns on to 100%



Stand-by (no motion)  
Light dim to standby level



After stand-by (no motion)  
Light: switched off



## SENSOR SMS733

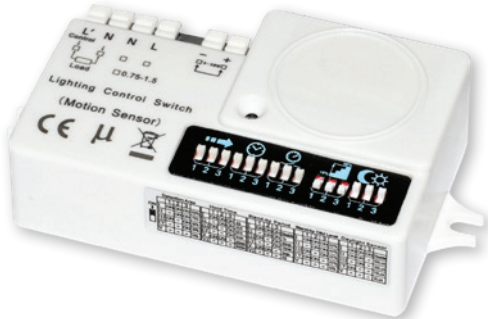
Microwave motion sensor IP20  
with step dimming

### Application

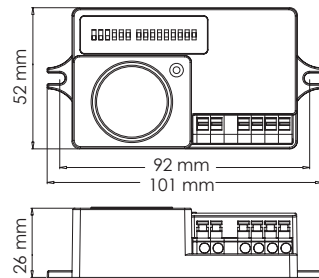
Versatile residential and commercial sensor.  
SAL factory fitted sensor option for approved  
products only, not for individual sale

### Design Specifications

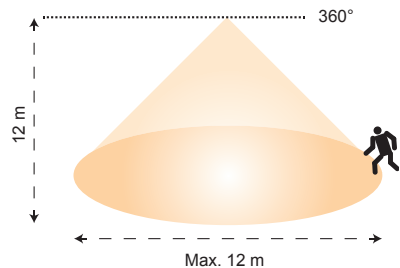
- Operating voltage: 220~240Vac, 50/60Hz
- Rated load: 800W
- HF system: 5.8GHz  $\pm$  75MHz, ISM wave band
- Transmitting power: <0.5mW
- Power consumption:  $\leq$ 1.0W (standby)
- Detection zone: Max.(D x H): 12m x 12m
- Detection sensitivity: 10%/25%/50%/75%/100%
- Hold time: 5s/30s/90s/3min/20min/30min
- Daylight sensor: 5lux/10lux/30lux/50lux/Disable
- Stand-by period: 5s/5min/10min/30min/1h/Disable
- Stand-by dimming level: 10%/20%/30%/40%/50%
- Mounting height: Max. 12m
- Motion detection: 0.5~3m/s
- Detection angle: 150° (wall installation),  
360° (ceiling installation)



### Dimensions



### Detection range



### Technical Specifications

Model No.	Input (V)/(Hz)	Max. Load (W)	Detection Range	IP Rating	Type	Mounting	Colour
SMS733	240/50	800	12m Max. at 12m	IP20	Microwave	Integral	White

For terms and conditions of catalogue data use, refer to INDEX



## SENSOR SMS735

Microwave motion sensor IP20 with detachable antenna step dimming

### Application

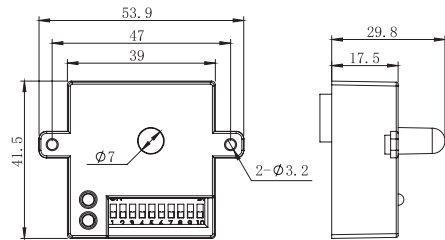
Creative motion sensor for interior lighting applications SAL factory fitted sensor option for approved products only, not for individual sale



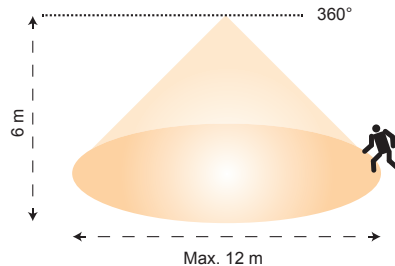
### Design Specifications

- Operating voltage: 100~240Vac
- Out current: 0~10Vdc
- Switched power: Max.600W
- Standby power: <0.9W
- Detection range: 25%/50%/75%/100%
- Daylight threshold: 10~50lux, or disable
- Hold time: 10s/10min/20min/30min
- Standby period: 1min/30min/60min/24h
- Standby dimming level: 10%/20%/30%
- Microwave frequency: 5.8GHz  $\pm$  75MHz
- Microwave power: <0.2mW
- Detection range: Max.12m
- Detection angle: 360°
- Mounting height: Max.6m

### Dimensions



### Detection range



### Technical Specifications

Model No.	Input (V)/(Hz)	Max. Load (W)	Detection Range	IP Rating	Type	Mounting	Colour
SMS735	240/50	600	12m Max. at 6m	IP20	Microwave	Integral	White





## SENSOR SMS761

Daylight harvesting sensor IP20

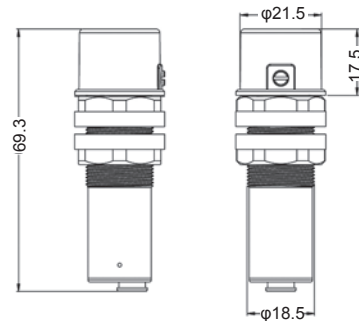
### Application

Innovative recessed daylight harvesting sensor

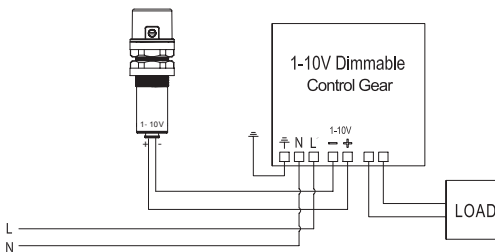
### Design Specifications

- Operating voltage: 1-10Vdc
- Note: 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: 360°

### Dimensions



### Wiring Diagram



### Technical Specifications

Model No.	Output (V DC)	Detection Angle	IP Rating	Mounting	Colour
SMS761	1-10	360°	IP20	Recessed	White

For terms and conditions of catalogue data use, refer to INDEX





## SENSOR SMS830

Microwave motion ON/OFF  
sensor IP20

### Application

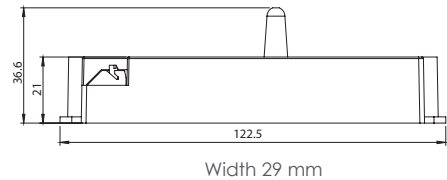
Versatile microwave ON/OFF sensor.  
SAL factory fitted sensor option for approved  
products only, not for individual sale

### Design Specifications

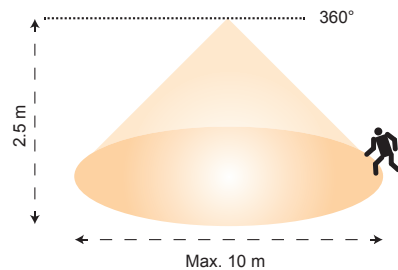
- Power source: 220-240V/AC
- Power frequency: 50/60Hz
- Transmission power: <0.2m/W
- Rated load:  
1000W/5A, Max. incandescent lamp  
( $\cos\phi=1$ ) 300W/2.5A, Max. fluorescent  
lamp and LED lamp ( $\cos\phi=0.5$ )
- HF system: 5.8GHz CW electric wave,  
ISM band
- Detection angle: 360°



### Dimensions



### Detection range



### Technical Specifications

Model No.	Input (V)/(Hz)	Detection Range	IP Rating	Type	Mounting	Colour
SMS830	240/50	10m Max. at 2.5m	IP20	Microwave	Integral	White



## SENSOR SMS800

Microwave motion sensor IP20

### Application

SAL factory fitted sensor option for approved products only, not for individual sale

### Design Specifications

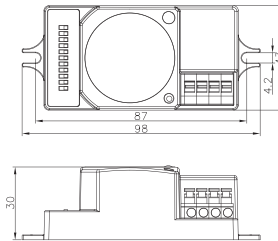
- Switched power 1000W incandescent, 300W Fluorescent, 200W LED
- Standby power <1W
- Detection distance Max. 12 m in diameter, Detection range 10/25/50/75/100% adjustable
- Detection angle 360°, Duration Time 10sec/10min adjustable, with manual over-ride function
- Lux threshold Disable / 2lux / 5lux / 10lux / 30lux / 50lux adjustable

### Manual override mode

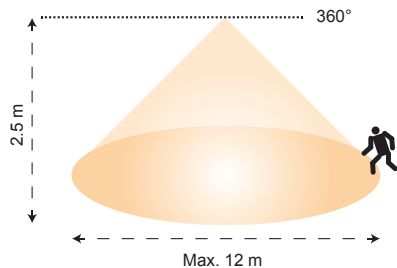
- When the lamp(s) is switched on, turn the lamp(s) off/on twice within 3 seconds, the sensor will go to an 8 hour override mode, during which the lamp(s) will stay on. The sensor will then return to normal detection mode
- During override mode, turn the lamp(s) on/off twice within 3 seconds or turn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



### Dimensions



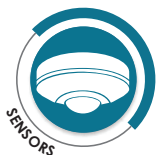
### Detection range



### Technical Specifications

Model No.	Input (V)/(Hz)	Detection Range	IP Rating	Type	Mounting	Colour
SMS800	240/50	12m Max. at 2.5m	IP20	Microwave	Integral	White

For terms and conditions of catalogue data use, refer to INDEX



## SENSOR SMS803CD

Infrared sensors - surface / recessed occupancy

### Application

Recessed or surface mount infrared interior sensor

### Design Specifications

- Switched power 2000W incandescent, 600W Fluorescent, 300W LED
- Standby power <1W
- Detection distance Max. 18 m in diameter
- Detection angle 360°, Duration Time / 10sec / 40min adjustable
- Dawn to dusk adjustable, mounting height Max. 5m

### 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



### Technical Specifications

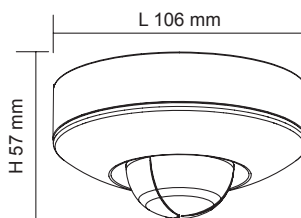
Model No.	Input (V)/(Hz)	Detection Range	IP Rating	Type	Mounting	Colour
SMS803CD	240/50	18m Max. at 3m	IP20	Infrared	Surface mount or recessed	White

For terms and conditions of catalogue data use, refer to INDEX

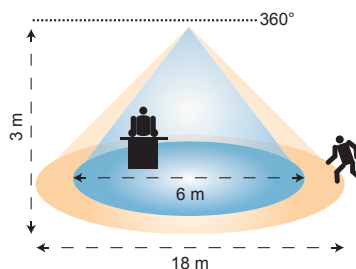
Linked in YouTube



### Dimensions



### Detection range





## SENSOR SMS804CR

Infrared sensor - recessed

### Application

Versatile IP20 recessed sensor designed for residential and commercial applications

### Design Specifications

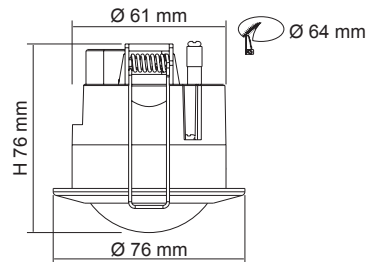
- Switched power 2000W incandescent, 500W Fluorescent, 300W LED
- Standby power <1W
- Detection distance Max. 9 m in diameter
- Detection angle 360°, Duration Time / 10sec / 4min adjustable
- Dawn to dusk adjustable, maximum height max. 4.5m

### Manual override mode

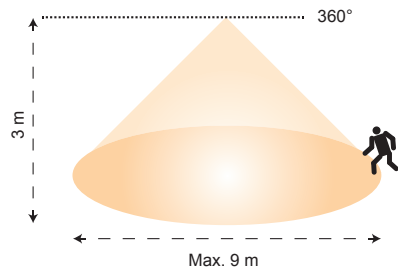
- When the lamp(s) is switched on, turn the lamp(s) off/on twice within 3 seconds, the sensor will go to an 8 hour override mode, during which the lamp(s) will stay on. The sensor will then return to normal detection mode
- During override mode, turn the lamp(s) on/off twice within 3 seconds or turn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



### Dimensions



### Detection range



### Technical Specifications

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

For terms and conditions of catalogue data use, refer to INDEX



## SENSOR SMS805CS

Infrared sensor - surface mount

### Application

IP20 surface mount sensor designed for residential and commercial spaces

### Design Specifications

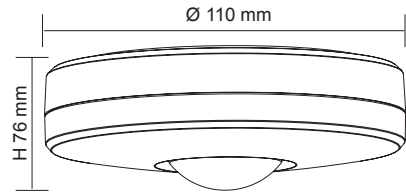
- Switched power 1600W incandescent, 500W fluorescent, 200W LED, colour white
- Standby power <1W
- Detection distance Max. 12 m in diameter
- Detection angle 360° , Duration Time / 10sec / 4min adjustable
- Dawn to dusk adjustable, mounting height max. 6m

### Manual override mode

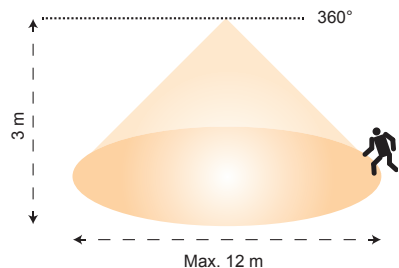
- When the lamp(s) is switched on, turn the lamp(s) off/on twice within 3 seconds, the sensor will go to an 8 hour override mode, during which the lamp(s) will stay on. The sensor will then return to normal detection mode
- During override mode, turn the lamp(s) on/off twice within 3 seconds or turn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



### Dimensions



### Detection range



### Technical Specifications

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



## SENSOR SMS812

IR Low Voltage 12/24V DC sensor

### Application

Versatile sensor for concealed residential and commercial applications

### Design Specifications

- Rated supply 12 or 24V DC, (supply driver sold separately)
- Output power 12V max 24 watt, 24V max 48 watt
- The sensor is designed with a dimming mode and non-dimming modes
- Two detecting modes and a power OFF memory function
- Designed for both flush or recessed installation applications
- Low profile face design of  $\phi 14$  mm x 63 mm in length

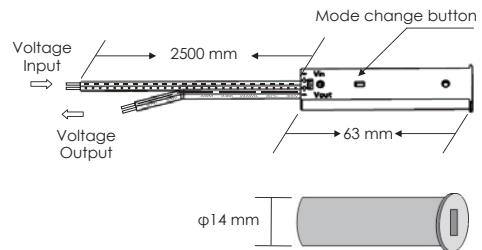
### Performance

In Built Sensor - Yes

Sensor Type - IR



### Dimensions



### Technical Specifications

Model No.	Input (V DC)	IP Rating	Type	Mounting	Colour
SMS812	12/24	IP20	Infrared	Recessed	White

For terms and conditions of catalogue data use, refer to INDEX



## SENSOR CONTROL SMS815

IR Low Voltage 12/24V DC sensor control

### Application

Versatile sensor for concealed residential and commercial applications

### Design Specifications

- Rated supply 12 or 24V DC, (supply driver sold separately)
- Output power 12V max 30 watt, at 24V max 60 watt
- The sensor is designed with two versatile detecting modes and a power OFF memory function
- IR switch controller designed for Class III insulated lighting products
- Designed with a low profile face design of  $\phi 18 \text{ mm} \times 11 \text{ mm}$  in length

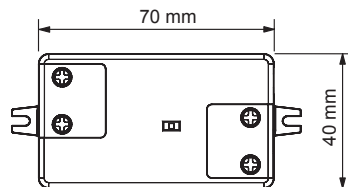
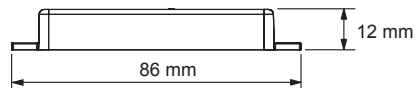
### Performance

In Built Sensor - Yes

Sensor Type - IR



### Dimensions



### Technical Specifications

Model No.	Input (V DC)	IP Rating	Type	Mounting	Colour
SMS815	12/24	IP20	Infrared	Wall mount	Black