IMPORTANT: IN THE INTEREST OF PRODUCT PERFORMANCE AND SAFETY PLEASE READ THESE INSTALLATION AND WARRANTY INSTRUCTIONS BEFORE INSTALLING THE PRODUCT.

MUST BE INSTALLED BY A LICENSED ELECTRICIAN

SAL products are designed in accordance with all standards in Australia and New Zealand, which require installation in accordance with AS/NZS3000 by a qualified installer and regular cleaning and maintenance of the equipment. Products are sold in accordance with the following instructions and SAL standard terms and conditions of sale, available via www.sal.net.au.

Due to continued product and information updates, product data sourced from sal.net.au shall not form part of any contract and/or technical performance guarantee unless expressly confirmed in writing by SAL at the time of order.

DUAL DETECT SMS808CD/PMO PIR/MW MOTION SENSOR electrical and installation specification effective 2/11/2026.

Model No.	Load Power	Input (V)/(Hz)	Detection Distance (m)	Detection Motion Speed	Detection Angle	Microwave Frequency	Time Setting	Light Control	Sensor Type	Cut Out (mm)	Mass (N.W.Kg)
SMS808CD/PMO	Max. 1000W Max. 2000VA Max. 2000W (Idle 0.5W)	220-240/50	Max. Ø12m at 4.0m installation height	0.5~1.5 (m/s)	120°	24GHz	20min/ 10min/ 5min/ 10s	24Hrs/ 100LUX/ 30LUX/ 10LUX	PIR/MW	Ø72	0.25

Electrical class	Class II	Touch current	< 0.7 mA
Dimmable	No	Max off-state leakage current	0 A
Operating ambient min/max (°C)	0 to 25	Storage ambient limit (°C)	0 to 60
Operating humidity	10% to 85% RH, NC	Storage humidity	10% to 85% RH, NC
Conductors required	3 wire	Product application	Interior residential, commercial spaces
IK rating (if relevant)	N/A	Product installation orientation	Horizontal ceiling mount, surface or recessed
Insulation cover rating (if any)	N/A	PIXIE connectivity	No
IP rating	IP20	Attachment type	N/A
IP rating for interior products: The designated IP rating is "from below the ceiling" unless otherwise specified.			
IP rating ALL products; Termination of the product must be made in accordance with the IP rating.			
Touch current: Is calculated in accordance with AS/NZS 60669.2.1.			

General product application requirements (if applicable):

1. Ensure all dip-switches are set before energising the product. DO NOT manually alter the settings while the product is energised, otherwise equipment damage may occur.

2. Please dispose of all product packaging and components in a responsible manner.

3. In line with the relevant design standards and to protect your investment, it is important to have in place a routine cleaning program that reflects the installation environment and maintains the product in a clean and functional condition.

IMPORTANT - The supply must be isolated before any product maintenance or cleaning is conducted. In addition, damage to ANY cable or cord supplied with the product must be addressed as follows; For attachment type X having a specially prepared cable, if the external flexible cable is damaged, it must be replaced by an equivalent cable exclusively available from the manufacturer or authorised installer. For attachment type Y, if the external flexible cable is damaged, it must be exclusively replaced by an equivalent cable by the manufacturer or authorised installer. For attachment type Z, if the external flexible cable is damaged, the cable cannot be replaced and the product must be destroyed.

4. Do not install this product in adverse, corrosive and coastal installation environments. Unless the product is specifically designated for such applications in these installation instructions, which is supported by a professional maintenance program; installation of equipment in such environments is not recommended.

5. For installation safety, any suspended products must NOT be installed in high air movement spaces or locations subject to impact.

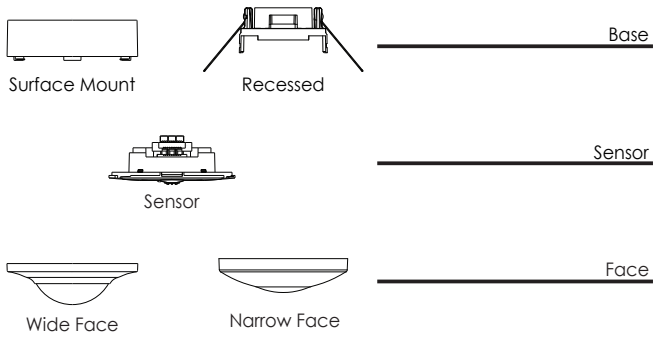
6. When the product reaches its end of life, the product must only be replaced by the manufacturer or qualified installer. **Caution, risk of electric shock.**

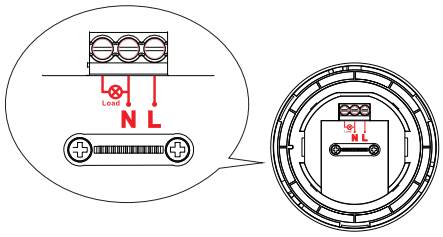
7. This device must be installed by a licensed electrician.

INSTALLATION OPTIONS

ASSEMBLY

The sensor can be combined with either base (Surface Mount or Recessed) and either face (Wide Face or Narrow Face) to suit the installation. Insert the sensor into the face and twist to lock, then push the sensor into the base until it clips in place.



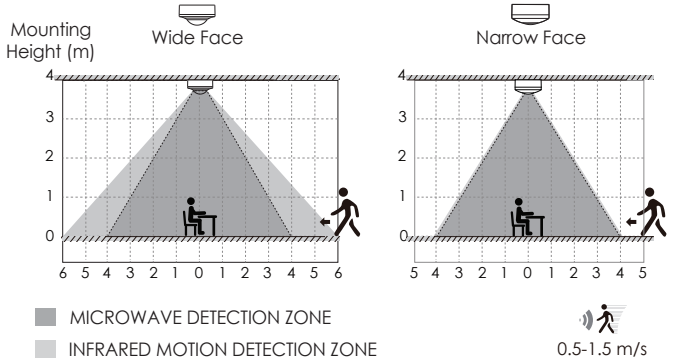


INSTALLATION

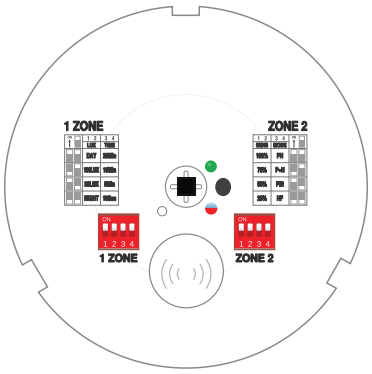
For recessed mounted applications:
1. Terminate the conductors according to the connection diagram.
2. Fold the metal springs of the sensor upwards and then insert the unit into the ceiling cavity. Releasing the springs, the sensor will be set in the installation position.

For surface mounted applications:
1. Use the holes in the base to screw the base to the ceiling, then thread the conductors through the window in the base.
2. Then connect the conductors to the sensor according to the above diagram.
3. Finally, clip the sensor into the base.

DETECTION RANGES



SETTINGS



ZONE 1			
ON	LUX	ON	TIME
1 2	24Hrs	3 4	20 min
1 2	100 lux	3 4	10 min
1 2	30 lux	3 4	5 min
1 2	10 lux	3 4	10 sec

ZONE 2			
ON	SENS	ON	MODE
1 2	100%	3 4	PH
1 2	75%	3 4	P+H
1 2	50%	3 4	PIR
1 2	25%	3 4	HF

INSTALLATION ADVICE:

- Avoid pointing the sensor towards objects with highly reflective surfaces, such as mirrors, metal etc.
- Avoid mounting the sensor near heat sources, such as heating vents, air conditioning units, light etc.
- Avoid pointing the sensor towards objects that may move in the wind, such as curtains, tall plants.

MANUAL OVERRIDE MODE

Activate override mode:
When the sensor is in automatic sensor mode and the light is ON, turn the wall switch OFF-ON-OFF-ON within 3 seconds, and the sensor will be in override mode - the light will illuminate continuously.

Return to automatic sensor mode:
Switch off the wall switch, wait 10 seconds and then switch it back on, then the sensor will be back in automatic sensor mode.

FUNCTION:

- **LUX -** Identify day and night: The working state can be adjusted to suit different ambient light levels. It can operate in the daytime and at night when it is adjusted on "24Hrs" (max). It will operate when the ambient light level is below 10, 30 or 100 lux, depending on the selected LUX setting.
- **TIME -** Time-Delay is added continually: When it receives a second signal within the first detection, the time delay will restart from the second signal.
- **SENS -** Sensitivity can be toggled. This will increase or decrease the tolerance for subtle movement required to trigger the sensor.
- **MODE -** Mode settings control the type of sensor technologies being used.
  - HF = High Frequency (Microwave) sensor. Will detect through thin barriers, such as glass.
  - PIR = Passive Infrared sensor. Requires regular motion to activate. Will not detect through barriers.
  - P + H = The PIR sensor detects movement first, then the High Frequency sensor activates to confirm. Will only trigger once both have detected movement, reducing false triggering.
  - PH = Both PIR and High Frequency sensors are active at the same time, and will trigger if either detects movement.

ADJUSTING FUNCTIONS:

1. Turn the face clockwise to remove it. You may then adjust the LUX, TIME, SENS and MODE settings as per the table.
2. Upon switching on the power, there will be a 30 second warm up where the sensor and the load won't be active. Once the warm up period has lapsed, the sensor will begin detecting. When the sensor receives a signal, the load will turn on. The load will turn off after the set TIME delay has lapsed without detecting any further movement.
3. While the LUX is set to the minimum setting, if there is more than 10 LUX of ambient light, the sensor will not send any signals to activate the load. If the ambient light falls under 10 LUX (effective darkness) then the sensor will operate as usual.

Note: when commissioning in daylight, please adjust the LUX to the "24Hrs" (max), otherwise the sensor will not detect.

8. **Warranty** – In accordance with SAL's standard terms and conditions of sale, SAL warrant this product to be free from defects in materials and/or workmanship for a period as stated below for goods not subject to incorrect installation, maintenance, operation, mishandling, environmental, unauthorised modifications or electrical operating conditions outside the nominated product specification as detailed in these installation instructions. The benefits to you given by this warranty are in addition to other rights and remedies you have under law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Warranty term – Residential usage (60) months, Commercial usage (36) months, Replaceable Lamps (where supplied) (12) months and Lithium batteries where supplied (24) months from date of purchase. For New Zealand, please refer to www.sal.co.nz for warranty conditions and service.

How to make a claim?

Step # 1 – Within 30 days of the fault discovery, please contact the original place of the SAL product purchase during standard (local) business hours, with the following information **(a)** proof of purchase **(b)** description and quantity of the claimed fault **(c)** address of installation. **(d)** operating hours of the product.

Step # 2 – It is then the responsibility of the original place of product purchase to report the matter to SAL aftersales;

NSW | ACT	- SAL National Pty Ltd, 40 Biloela Street, Villawood NSW 2163	| P # 02 9723 3099
QLD	- SAL National Pty Ltd, 36 Whitelaw Place, Richlands QLD 4077	| P # 07 3879 5999
VIC | TAS	- SAL National Pty Ltd, 46-48 Keys Road, Moorabbin VIC 3189	| P # 03 9532 3168
SA | NT	- SAL National Pty Ltd, 79 Frederick Street, Welland SA 5007	| P # 08 7084 1958
WA	- SAL National Pty Ltd, 29 Beringarra Avenue, Malaga WA 6090	| P # 08 9248 7458
NZ	- Hamer, 130 Bush Road, Albany Auckland 0632	| P # 0800 239 239

Step # 3 - Upon review of your claim and if the product is required to be returned to SAL for technical evaluation, then at the owners expense the product must be returned to SAL as per the above nominated locations.

Step # 4 - Pending the evaluation, the claim will be validated resulting in the product being repaired or replaced with the same or best equivalent product at the discretion of SAL, or rejected if the product fault was found to be caused by conditions beyond the responsibility of SAL warranty obligations. Consideration of installation, product removal, return freight and/or testing fees are not the responsibility of SAL.