

# NMS 1200



The Microwave Sensor **NMS 1200** is an active pre-set motion detector. The Sensor emits high frequency electro-magnetic wave (5.8GHz) and receives the echo from movements in the detection zone. An internal micro-processor then triggers and connects the load to the “switch light ON” command. Detection is possible through doors, glass panes or thin walls. The Microwave Sensor is suitable for used in **Zone 2** indoor and outdoor classified areas.

**SA patent No. 2012/06112**

## APPLICATIONS:

- Industrial Lighting
- Commercial Lighting
- Hazardous area lighting
- Warehouse lighting

**Rated Load 1200W at 220-240VAC**

**Ex Protection: Ex nAnc II T6 IP65**



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The advantage of the **NMS 1200** Microwave Sensors is that movement can be detector at long distances. (Typically 10m)

Microwave sensors are ideal for switching lights 'ON' or by using dimming electronic ballasts from dimmed level to full output when someone enters an area. The **ZONE 2** microwave sensor box is pre-set by the manufacturer and is used for the Microwave sensor only.

### SENSITIVITY (RANGE)

The range is the distance of the circular (360°) detection zone produced on the ground in an open area adjacent to where the **NMS 1200** Microwave sensor is mounted to a maximum range of approximately 10 metres.

### TECHNICAL SPECIFICATIONS

Power Supply: 220V-240VAC  
Power frequency: 50/60Hz  
Installation: ceiling or wall mounted.  
HF system: 5.8GHz CW radar, ISM band  
Transmission power: <10mW  
Rated load: 1200W.  
Detection angle: 360°  
Detection range (Clear area): 10 metres  
On time set at 12 min.



**Note:** The above detection distance is based on a person who is between 1.6m/1.7m tall moving at speed of 0.6 – 1.5m/sec. detection range will differ depending on the height and stature of the person moving within the detection zone. After the light switches OFF, it takes approximately 1 second before the sensor will start detecting movement again.