



# Motion Sensor

AVAILABLE FROM  
NEPEAN ELECTRONICS



NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

The NEPEAN Power Motion Sensor is a new energy saving switch which adopts microwave sensors combined with high frequency (5.8 GHz) electromagnetic waves in an integrated circuit. Designed to be automated, convenient, safe, practical and energy saving, the wide field of detection enables accurate capturing of human movement under day and night conditions. Its detection capabilities are through doors, panes of glass, limited thin walls, and is easily installed.

## NEPEAN Advantage

- Under day time operation, sensor is adjusted on the “sun” position (max). It can operate in ambient light less than 3LUX when it is adjusted on the “moon” position (min)
- SENS adjustable - It can be adjusted to suit location; low sensitivity with only 1m (radius) for detection distance; High sensitivity is up to 8m (radius).
- Time-Delay is added continually - Upon receiving the second induction signal (after the first induction), it will then re-compute the time on the basis from the first time-delay
- Time-Delay is adjustable - It can be set per customer requirements. The minimum time is 10sec ± 3sec. The maximum is 12min ± 1min.

## Specifications

<b>Product</b>	
<b>Power Sourcing</b>	220V/AC - 240V/AC
<b>Power Frequency</b>	50Hz
<b>Ambient Light</b>	3-2000LUX (Adjustable)
<b>Time-Delay</b>	Minimum - 10sec ± 3sec Maximum - 12min ± 1min
<b>Rated Load</b>	1200W (incandescent lamp) 300W (energy-saving lamp)
<b>Detection Range</b>	360°
<b>Detection Distance</b>	1-8m (radius) adjustable
<b>HF System</b>	5.8GHz CW radar, ISM band
<b>Transmission Power</b>	< 10mW
<b>Installing Height</b>	1.5m - 3.5m
<b>Power Consumption</b>	0.9W
<b>Detection Motion Speed</b>	0.6 - 1.5m/s

## Ordering Information

Part Number	Description
GST-MS1-48VDC	Motion Sensor 4 Wire 48V DC

