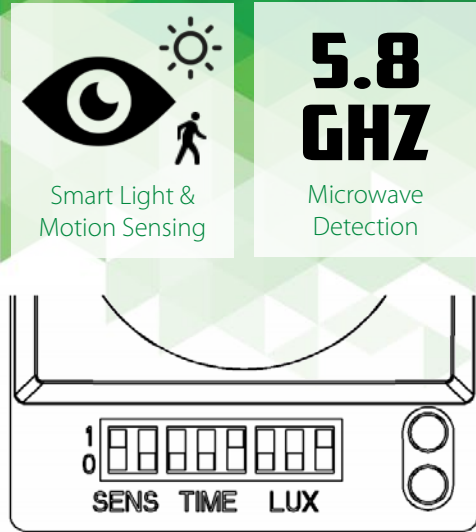


# ENSA™

## Microwave Sensor Motion Activated Switch

Model: ENSA-MS1



Dipswitches control motion & daylight sensitivity and on-time delay.

### Product Overview

The ENSA-MS1 is an automated motion-activated switch that uses a 5.8GHz microwave sensor to detect motion. It also features a built-in daylight sensor and control electronics.

The switch is ideal for use in conjunction with any light, but is especially useful when used with an energy efficient ENSA LED light. The ENSA-MS1 can multiply power cost savings by controlling your already energy efficient light to turn on only when you need it.

Once installed, the daylight sensor measures ambient light levels (adjustable 5 ~ 2000 lux). If light levels fall below the set limit, the microwave motion sensor is activated and the connected light will turn on when movement is detected.

Unlike most PIR sensors, the ENSA-MS1 microwave sensor has an adjustable detection range (2 ~ 8m radius), 360° detection arc and it may detect motion through doors, glass windows or thin walls.

When movement is no longer detected, the light will turn off automatically as per the on-time delay settings (5s ~ 10min). This delay can be adjusted on the ENSA-MS1. This delay is reset if movement is detected to prevent the light from turning off when motion is present. The daylight sensor is also disabled while the light is on, preventing any false triggering of the light.

### Specifications

Model: ENSA-PS1		
Electrical	Input Voltage	220 ~ 240VAC 50Hz
	Power Consumption	0.9W (daylight/motion sensing only)
	Maximum Rated Load	500W (resistive) / 200W (inductive)
Detection	Motion Detection	5.8GHz microwave CW radar, ISM band
	Detection Range	360°, 180° / 2m, 5m, 8m (adjustable)
	Detection Speed	0.6 ~ 1.5m/s
	Daylight Sensor	5, 30, 150, 2000 Lux (adjustable)
	On-time Delay	5s, 30s, 90s, 180s, 300s, 600s (adjustable)
General	Ingress Protection	Indoor use only
	Operating Environment	-20 ~ 40°C
	Recommended Install Height	1.8 ~ 3.5m
	Dimensions	40 x 60 x 25mm

### Compliance & Certification



\* This professional sensor must only be installed by a qualified electrician.