



## Intelligent Motion Sensor & Dusk/Dawn Switches

ENSA-MS/PS/LC Series: Microwave motion, PIR motion & light sensors in a variety of styles

The ENSA™ intelligent energy saving switch series comprises a wide range of automated, smart switches that use a variety of different sensors to control light use. This innovative combination of sensors ensures your lights will only turn on when you need them to, saving you on power costs and reducing the impact on the environment.

Each intelligent switch features adjustable light sensing, movement sensing and on-timer delay so you may tailor light use to your exact specifications. The range includes models with 5.8GHz microwave or passive infrared (PIR) for movement sensing.

Once installed, the switch's daylight sensor measures ambient light levels. If light levels fall below the set limit, the motion sensor is activated. Upon detecting motion, the switch will turn the connected light on. When movement is no longer detected, the switch's adjustable on-timer delay will keep the light on for a designated period of time. Once this delay has expired, the switch turns the light off automatically.

## Sensor Switches | Series Specifications

Model	ENSA-PS1	ENSA-PS2	ENSA-PS3	ENSA-PS4	ENSA-MS1	ENSA-MS2	ENSA-MS3	ENSA-MS6
Product Image								
Daylight Sensor	•	•	•	•	•	•	•	•
Passive Infrared Sensor	•	•	•	•				
Microwave Sensor					•	•	•	•
On-timer Delay	•	•	•	•	•	•	•	•
<b>Electrical</b>								
Input Voltage	220 ~ 240VAC 50Hz							
Power Consumption (Sensing Mode)	0.5W	0.4W	0.5W	0.5W	0.9W	0.9W	0.2W	0.9W
Max. Rated Load (Resistive/Inductive)	1200W / 300W	2000W / 1000W	800W / 400W	2000W / 1000W	500W / 200W	1200W / 300W	1200W / 300W	1200W / 300W
<b>Detection Adjustments</b>								
Daylight Sensing	3 ~ 2000 Lux							
Motion Detection Area	180° arc	360° rectangle	360° circle	360° circle	360° circle	360° circle	180° arc	180° arc
Motion Detection Range	12m	4 x 20m	6m	20m	2 ~ 8m	1 ~ 8m	1 ~ 8m	5 ~ 15m
Motion Detection Speed	0.6 ~ 1.5m/s							
On-timer Delay	10s ~ 7min	10s ~ 30min	10s ~ 15min	10s ~ 30min	5s ~ 10min	10s ~ 12min	10s ~ 12min	3s ~ 12min
<b>General</b>								
Ingress Protection	IP65	IP20	IP20	IP65	Indoor use only	IP20	IP44	IP65
Operating Environment	-20 ~ 40°C / <93% Relative humidity							
Mounting Type	Wall/ceiling	Ceiling	Recessed ceiling	Ceiling	Wall/ceiling	Ceiling	Wall/ceiling	Wall/ceiling
Rec. Installation Height	1.8 ~ 2.5m	4 ~ 10m	2.2 ~ 4m	2.2 ~ 6m	1.8 ~ 3.5m	1.5 ~ 3.5m	1.5 ~ 3.5m	1.5 ~ 3.5m
Dimensions	80 x 120 x 50mm	100 x 100 x 50mm	Ø50 x 65mm	100 x 100 x 50mm	40 x 60 x 25mm	Ø100 x 40mm	100 x 75 x 85mm	80 x 120 x 50mm

\* Sensors switches must be installed by a licensed electrician.

## Dusk / Dawn Switches | Series Specifications

Model	ENSA-LC1	ENSA-LC3
Product Image		
<b>Electrical</b>		
Input Voltage	220 ~ 240VAC 50Hz	
Dimming Range	5 ~ 50 Lux	2 ~ 100 Lux
Rated Current	10A	20A
<b>General</b>		
Ingress Protection	IP44	IP65 (photocell only)
Operating Environment	-20 ~ 40°C / <93% Relative humidity	
Recommended Install	Place above light	Switchboard enclosure/cabinet
Dimensions	Ø82 x 108mm	35 x 66 x 90mm (1m cable)

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Your local ENSA™ LED lighting professional