



## Intelligent Energy Saving Switches & Receivers

Available with microwave or passive infrared sensors in a variety of different 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.

## Series Specifications

Model	ENSA-PS1	ENSA-PS2	ENSA-PS3	ENSA-MS1	ENSA-MS2	ENSA-MS3	ENSA-LC1
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	0.9W	0.9W	0.2W	< 0.1W
Max. Rated Load (Resistive/Inductive)	1200W / 300W	2000W / 1000W	800W / 400W	500W / 200W	1200W / 300W	1200W / 300W	10A rated current
<b>Detection Adjustments</b>							
Daylight Sensing	3 ~ 2000 Lux						5 ~ 50 Lux
Motion Detection Area	180° arc	360° rectangle	360° circle	360° circle	360° circle	180° arc	N/A
Motion Detection Range	12m	4 x 20m	6m	2 ~ 8m	1 ~ 8m	1 ~ 8m	N/A
Motion Detection Speed	0.6 ~ 1.5m/s						N/A
On-timer Delay	10s ~ 7min	10s ~ 30min	10s ~ 15min	5s ~ 10min	10s ~ 12min	10s ~ 12min	N/A
<b>General</b>							
Ingress Protection	IP65	IP20	IP20	Indoor use only	IP20	IP44	IP44
Operating Environment	-20 ~ 40°C / <93% Relative humidity						
Mounting Type	Wall/ceiling	Ceiling	Recessed ceiling	Wall/ceiling	Ceiling	Wall/ceiling	Wall
Rec. Installation Height	1.8 ~ 2.5m	4 ~ 10m	2.2 ~ 4m	1.8 ~ 3.5m	1.5 ~ 3.5m	1.5 ~ 3.5m	Place above light
Dimensions	80 x 120 x 50mm	100 x 100 x 50mm	Ø50 x 65mm	40 x 60 x 25mm	Ø100 x 40mm	100 x 75 x 85mm	Ø82 x 108mm

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


## 2 Channel Mains Voltage RF Receiver

Automate your LED lighting with the ENSA-RS1 2 channel 240VAC mains voltage RF receiver. With a maximum rated load of up to 1000W, you can integrate wireless triggering for a large number of lights via this receiver. The receiver shell is IP55 rated and suitable for external use.

The ENSA-RS1 includes two keyfobs for light control. The receiver can also be triggered by up to 128 universal transmitters. This includes wireless passive infrared detectors, beam/curtain detectors and door/window reed switches. This makes the ENSA-RS1 ideal for effective security lighting applications.



Contact your local ENSA™ professional for more information on universal wireless detector integration. Wireless transmitters are optional and sold separately.

Model	ENSA-RS1
Product Image	
Frequency	433.92MHz fixed code
Range (LoS)	100m
Programmable Outputs	2 relay outputs (latched or timed)
Maximum Codes	128
<b>Electrical</b>	
Input Voltage	240VAC 50 ~ 60Hz
Maximum Rated Load	1000W
<b>General</b>	
Ingress Protection	IP55
Included Remotes	2
Operating Environment	-20 ~ 55°C
<b>Diagram</b>	

