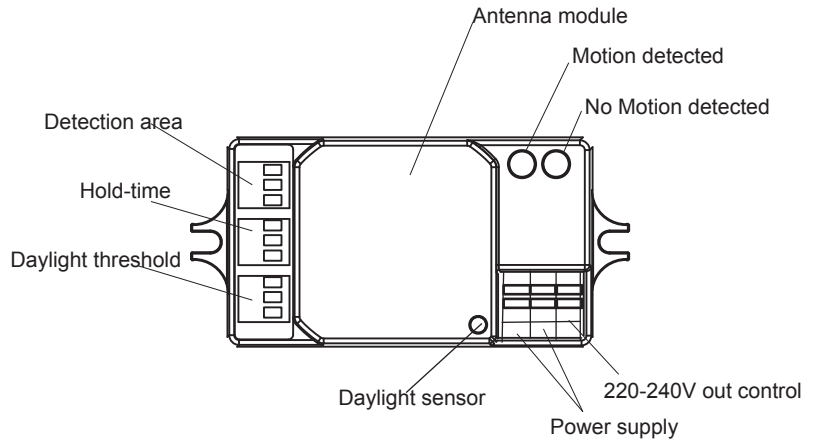


SENSORS & LIGHTING CONTROL

Microwave Motion Sensor-economy version

Technical Specifications

Product Type: Microwave Motion Sensor
 Operating Voltage: 220/240V ~50Hz/60Hz
 HF System: 10.5GHz CW radar
 Transmission Power: <0.2mW
 Rated Load: 800W(resistive load),
 400W(capacitive load)
 Detection Angle: 30-150°
 Power Consumption: Approx.0.5W
 Reach: 1-5m(radi),adjustable
 Time Setting: 5s~25min.
 Mounion: Indoors,ceiling & walling mounted
 Light Control: 2-30LUX
 Working temperature: 0~+50°C



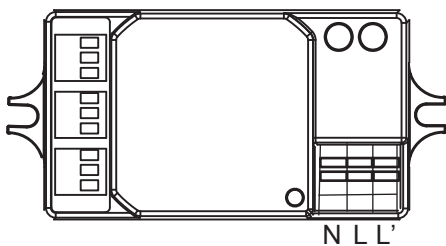
The sensor is an active motion detector ;it emits a high-frequency electromagnetic wave 10.5GHz and receives its echo. The sensor detects the change in echo from movement in its detection zone.A microprocessor then triggers the switch light ON command.Detection is possible through doors,panels of glassor thin walls.

IMPORTANT

PLEASE READ THESE INSTRUCTIONS CAREFULLY PRIOR TO INSTALLTION AND RETAIN THIS LEAFLET IN A KNOWN AND SAFE PLACE FOR FUTURE REFERENCE

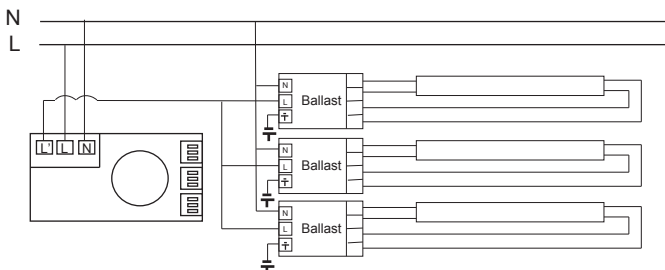
SECTION 1 INSTALLATION

2.0 ENSURE THAT THE ELECTRICITY SUPPLY IS SWITCHED OFF COMPLETELY BEFORE INSTALLING OR SERVICING THIS PRODUCT

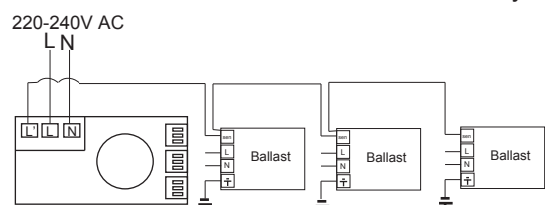
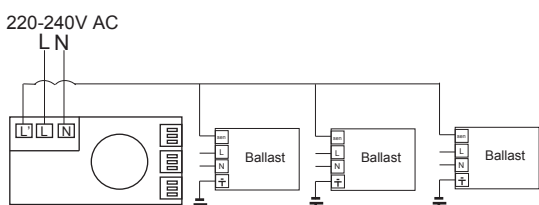


The sensor works with a main voltage of 220-240V(+/-10%)
 The sensor has a 3-wire electrical interface:
 N (neutral / 230V AC)
 L (phase / 230V AC)
 L'(switched phase / output)

To connect several standard ballast with 1 sensor(ON-OFF function),the wiring should be:



To connect several sensor DIM ballast with 1 sensor,the wiring should follow the below schematic in two ways:



SENSORS & LIGHTING CONTROL

This sensor is suitable for indoor use, and is also designed for installation at 3-5m in height. While sensor use with DIM ballast or other dimming ballast, please keep the sensor antenna module from the ballast and lamp filament by at least 80mm.

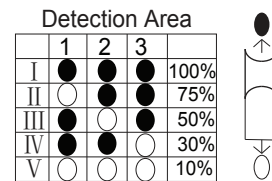
SECTION 2 SETTINGS

Detection range:

This determines the effective range of the motion detector and is set by DIP switches at the sensor itself, refer to figure. Note that reducing the sensitivity will also narrow the detection range.

The following settings are available:

- I - maximum range up to 5m
- II - range up to 4m
- III - range up to 3m
- IV - range up to 2m
- V - range up to 1m

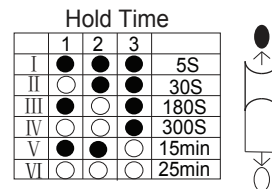


Hold time:

This determines the time the fitting remains at 100% level on motion detection and is set with DIP switches at the sensor itself, refer to figure. The walk test setting is useful when installing the fitting to establish correct operation and range.

The following settings are available:

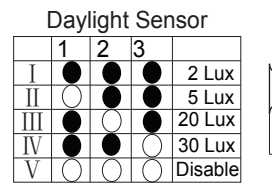
- I - walk test mode 5s
- II - 30s
- III - 3 minutes
- IV - 5 minutes
- V - 15 minutes
- VI - 25 minutes



Daylight sensor:

This setting holds off the 100% light output should there sufficient daylight and is set using DIP switches at the sensor, refer to figure. The following settings are available:

- I - 2 lux darkness operation only
- II - 5 lux darkness operation only
- III - 20 lux twilight operation
- IV - 30 lux twilight operation
- V - daylight, photocell disabled



In daylight setting the lamp(s) will always be on with motion detected and operate at 100% light output, even in bright daylight.

SECTION 3 TROUBLESHOOTING

MALFUNCTION CAUSE REMEDY	CAUSE	REMEDY
The load will not work	Incorrect light-control setting selected	Adjust setting
	Load faulty	Replace load
	Mains switch OFF	Switch ON
The load is always on	Continuous movement in the detection zone	Check zone setting
The load is on without any identifiable movement	The sensor is not mounted for reliably detecting movement	Securely mount enclosure
	Movement occurred, but not identified by the sensor (movement behind wall, movement of small object in immediate lamp vicinity etc.)	Check zone setting
The load will not work despite movement	Rapid movements are being suppressed to minimise malfunctioning or the detection radius is too small	Check zone setting