BOSS®

#1 COMPREHENSIVE ELECTRICAL RANGE

MOTION & PRESENCE SENSOR

AGN
AUSTRALINDO
GRAHA NUSA

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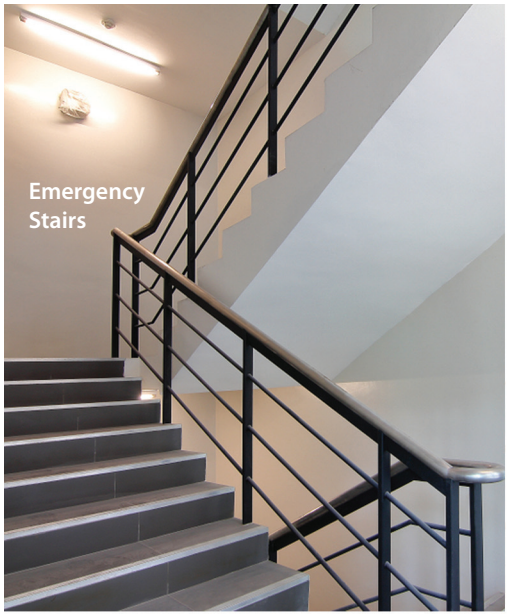
BOSS



Technology	MSIFEZ	MSIPOW	MSIPRE	MSMWFEZ	MSMW
	INFRARED			MICROWAVE	
Sensor Type	**MOTION**		**PRESENCE**	**MOTION**	
Application	Indoor				
Installation	Ceiling				
Mounting	Flush Mounting	Surface Mounting		Flush Mounting	Surface Mounting
Suitable location	Corridor Hallways Stairs Lobby Lift		Public Toilet Bedroom Meeting Room	Bathroom Bedroom Meeting Room	
FEATURE					
Indentify Day or Night	●	●	●	●	●
Continually Time Delay	●	●	●	●	●
Adjustable Sensitivity				●	●
Adjustable Time Delay				●	●
SPECIFICATION					
Detection range	360°				
Detection distance (radius)	Max. 8m (∡24°)		Max. 20m (∡24°)	1-8m radius (adjustable)	
Detection speed	0.6 - 1.5m /s				
Frequency				5.8 Ghz (CW radar, ISM band)	
Max. Rated Load Resistive/ Capacitive	800W / 400W	2000W / 1000W		1200W / 300W	2000W / 1000W
Power Source	220-240V/AC 50/60Hz				
Power Consumption	Approx. 0.5 W			Approx. 0.9 W	
Time Delay (adjustable)	10 sec ± 3 sec to 15 min ± 2 min		10 sec ± 3 sec to 30 min ± 2 min	10 sec ± 3 sec to 12min ± 1 min	
Ambient light	<3-2000 LUX (adjustable daylight sensor)				
Installation height	2.2 - 4m		2.2 - 6m	1.5 - 3.5m	2 - 6 m
Dimension (mm)	Ø x H 80 x 71	Ø x H 115 x 24	L x W x H 103 x 103 x 58	Ø x H 80 x 67	Ø x H 115 x 24
Working humidity & Temperature	<93% RH -20~ +40°C				

FEATURES

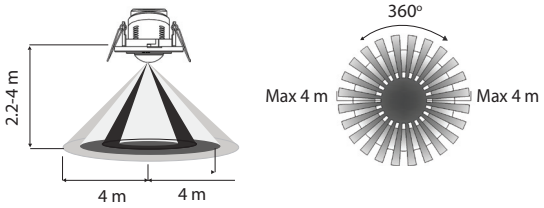
Identify day and night
It can work in the daytime and at night when it is adjusted on the "sun" position (max). It can work in the ambient light less than 3LUX when it is adjusted on the "3" position (min). As for the adjustment pattern, please refer to the testing pattern.

Adjustable sensitivity
It can be adjusted according to using location. The detection distance of low sensitivity could be only 2m and high sensitivity could be 16m which fits for large room.

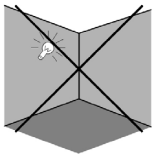
Time–Delay is added continually
When it receives the second induction signals wihtin the first induction, it will restart to time from the moment.

Time–Delay is adjustable
It can be set according to the consumer's desire. The minimum time is 10sec±3sec. The maximum is 12min±1min.

MSIFEZ

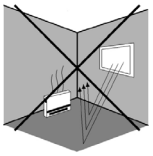


INSTALLATION



Avoid pointing the detector towards objects with highly reflective surfaces, such as mirrors etc.

Avoid mounting the detector near heat sources, such as heating vents, air conditioning units, light etc.



Avoid pointing the detector towards objects that may move in the wind, such as curtains, tall plants etc.

TEST

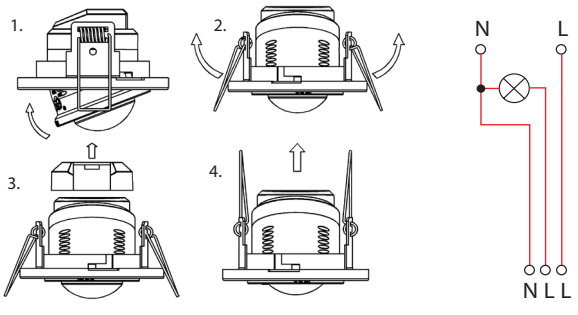
1. Turn the TIME knob anti-clockwise on the minimum (10s). Turn the LUX knob clockwise on the maximum (sun).
2. Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After Warm-up 30sec, the sensor can start work .If the sensor receives the induction signal, the lamp will turn on. While there is no another induction signal any more, the load should stop working within 10sec±3sec and the lamp would turn off.
3. Turn LUX knob anti-clockwise on the minimum (3). If the ambient light is more than 3LUX, the sensor would not work and the lamp stop working too. If the ambient light is less than 3LUX (darkness), the sensor would work. Under no induction signal condition, the sensor should stop working within 10sec±3sec.

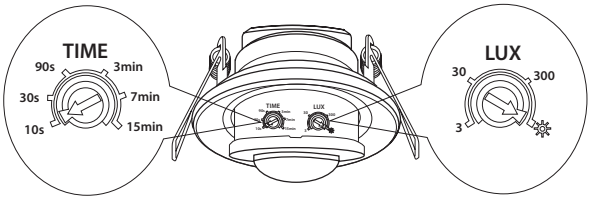
Note: when testing in daylight, please turn LUX knob to (SUN) position, otherwise the sensor lamp could not work!

CONNECTION

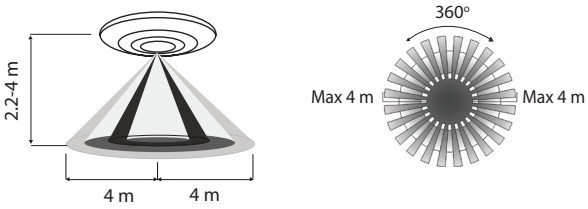
1. Swing the plastic cover a little and adjust time and LUX knob.
2. Unload the transparent vinyl cover, loose the screws in the connection terminal, and then connect the power to connection terminal of sensor according to connection-wire diagram.
3. Fold the metal spring of the sensor upwards, until they are in "I" position with sensor, and then put the sensor into the hole or installation box which is on the ceiling and has the similar size with the sensor. Releasing the spring, the sensor will be set in this installation position.
4. After finishing installing, turn on the power and then test it.

WIRING DIAGRAM



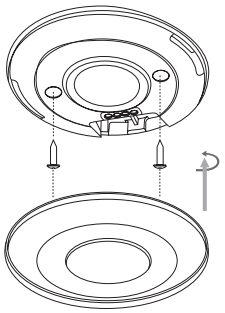


MSIPOW

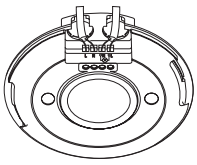


CONNECTION

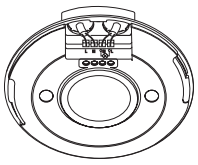
1. Please move the upper cover with anti-clockwise whirl as per the diagram on the right.
2. Connect the power and the load according to the connection-wire diagram.
3. Fix the bottom on the selected position with the inflated screw.
4. Install back the upper cover on the sensor, then you could switch on the power and test it.



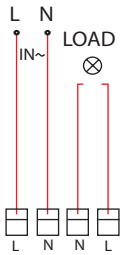
WIRING DIAGRAM

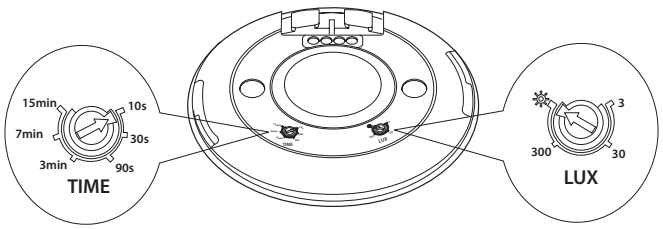


The wires come in and out from the side.

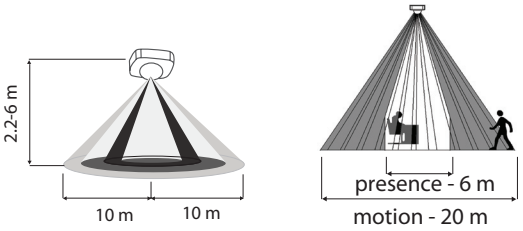


The wires come in and out from the bottom.





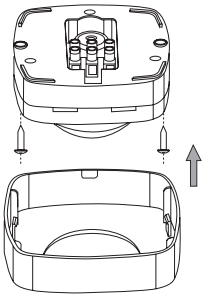
MSIPRE

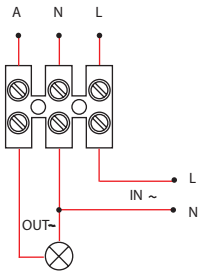


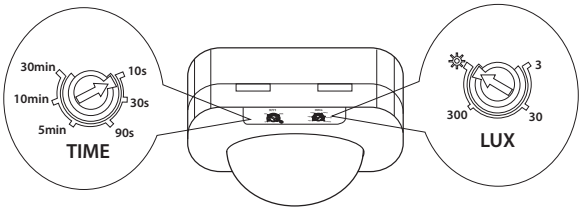
CONNECTION

1. Unload the cover directly.
2. Connect the power and the load into the connection-wire column of the sensor according to connection-wire diagram.
3. Fix the sensor on the selected position with the inflated screw as the figure on the bellow.
4. Install back the cover and then you can test it.

WIRING DIAGRAM





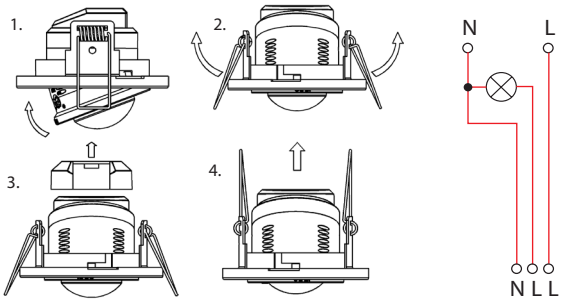


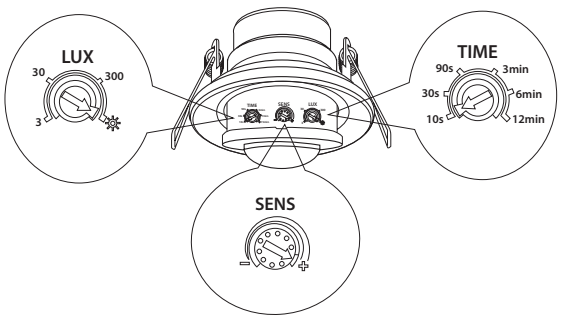
MSMWFEZ

CONNECTION

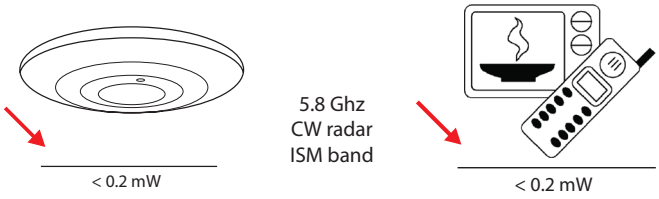
1. Swing the plastic cover a little and adjust time and LUX knob.
2. Unload the transparent vinyl cover, loose the screws in the connection terminal, and then connect the power to connection terminal of sensor according to connection-wire diagram.
3. Fold the metal spring of the sensor upwards, until they are in "I" position with sensor, and then put the sensor into the hole or installation box which is on the ceiling and has the similar size with the sensor. Releasing the spring, the sensor will be set in this installation position.
4. After finishing installing, turn on the power and then test it.

WIRING DIAGRAM



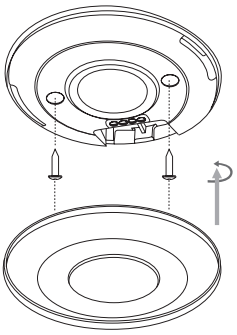


MSMW



CONNECTION

1. Please move the upper cover with anti-clockwise whirl as per the diagram on the right.
2. Connect the power and the load according to the connection-wire diagram.
3. Fix the bottom on the selected position with the inflated screw.
4. Install back the upper cover on the sensor, then you could switch on the power and test it.



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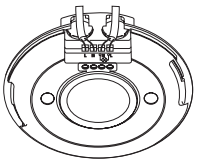

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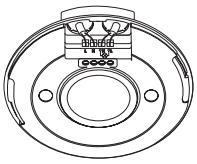

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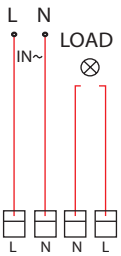

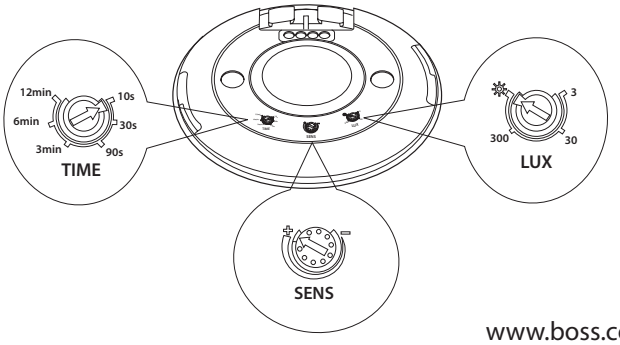

The sensitivity is poor

- Please check if in front of the sensor there shouldn't be
- obstructive object that affect to receive the signals.
- Please check if the signal source is in the detection fields.
- Please check the installation height.

The sensor can't shut automatically the load

- If there are continual signals in the detection fields.
- If the time delay is set to the longest.
- If the power corresponds to the instruction.

The load don't work

- Check the power and the load.
- Whether the indicator light is turned on after sensing? If yes, please check load.
- If the indicator light is not on after sensing, please check if the working light correspondsto the ambient light.
- Please check if the working voltage corresponds to the power source.

For Wicrowave version only

- Can not be installed on the uneven and shaky surface
- In front of the sensor there shouldn't be obstructive object affecting detection.
- Avoid installing it near the metal and glass which may affect the sensor.
- For your safety, please don't open the case if you find hitch after installation.

WARNING

Danger of death through electric shock!

Must be installed by professional electrician.
Disconnect power source.
Cover or shield any adjacent live components.
Ensure device cannot be switched on.
Check power supply is disconnected.

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