



# TIS RADAR SENSOR WITH INFRARED EMITTER

Ceiling Mount Occupancy Sensor with IR

Data Sheet Rev 3.1

Model: OS-MMV2-IRE



## OVERVIEW

The Tis Radar Sensor is designed for applications where occupancy detection is essential. It can also be programmed to optimize energy consumption.

Equipped with a 24 GHz radar sensor, a lux sensor to measure light intensity (lux) and enable customized lighting control, and an IR emitter for controlling split air conditioners, this device offers comprehensive functionality for energy-efficient environments.

### KEY BENEFITS

- Real Occupancy Monitoring
- Control your Split Air conditioning
- Saving Energy in unoccupied room.
- Turn on lights If motion detected in dark areas.
- Monitor room temperature

### KEY FEATURES

- ★ Ceiling flush-mount with high coverage
- ★ 24GHz Millimeter Wave Radar
- ★ Contain more than 1000 brands infrared library database
- ★ 8 Lines of saving energy Logic
- ★ Works with TIS-BUS Protocol


















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TIS



PRODUCT SPECIFICATIONS			
	<b>Input</b>	Wave Radar	24GHz Millimeter Wave Radar
		Light intensity	Lux meter 0-5000 Lux
		Temp sensor	Resistance Temp sensor
	<b>Output</b>	Infrared transmitters	1 Terminal link to IR probes
	<b>TIS BUS</b>	Number of devices on 1 line	Max. 64
		Bus voltage	12-32 V DC
		Current consumption	<15 mA / 24 V DC
	<b>PIR Detection</b>	Antenna range	5-6 meters (installation height 2.6 - 3 meters)
		Antenna angle	65° from the ceiling down
	<b>Protection</b>		Reverse Polarity Protection
	<b>Reaction time</b>		approx. 20ms
	<b>Mounting</b>	Celling mount	Flush mount
	<b>Connection terminal</b>	Data / bus	terminal connector 0,25...2mm2
	<b>Operation</b>	Programming button	For assignment of the physical address
		Indicator LED	Blue or Red LED (optional)
		TIS bus	TIS Protocol massages and commands
	<b>Functions</b>	Movement /No Movement Logic	20 commands on movement action
		Occupancy No Occupancy Logic	20 commands on occupancy action
		Light intensity	20 commands on light intensity action
		Timer	Timer based for saving energy
		IR Code memory / Flags	250 IR code memory and Flags
	<b>Weight</b>	Without packaging	50 g
	<b>Dimensions</b>	Length x Width x Height	60mm x 60mm x 38mm
	<b>Housing</b>	Materials	ABS anti fire / PC anti fire
		Casing color	White
		IP rating	IP 20
	<b>Temperature range</b>	Operation	-10...60°C
		Storage	-20...50°C
		Transport	-25...75°C
	<b>Air humidity</b>		<85% non-condensing



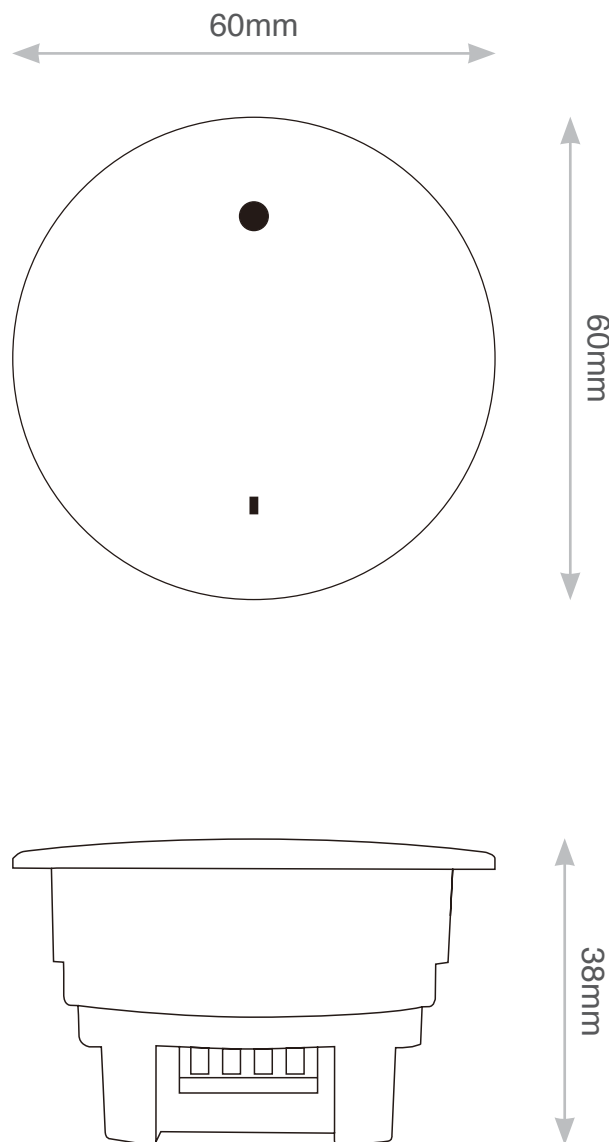
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