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tis control OS-MMV2-IC Radar Sensor



Product Specifications

- **Wave:** Radar
- **Frequency:** 24GHz Millimeter Wave Radar
- **Light Intensity:** Lux meter, 0-5000 Lux
- **Temperature Sensor:** Resistance Temperature Sensor
- **Number of Devices on 1 Line:** Max. 64
- **Bus Voltage:** 12-32 V DC
- **Current Consumption:** Not specified

Installation

1. Choose a suitable location for mounting the sensor on the ceiling.
2. Ensure the power supply meets the required voltage range (12-32 V DC).
3. Mount the sensor securely using appropriate fixtures and follow the wiring instructions provided.

Operation

The TIS Radar Sensor detects occupancy in the area it covers using radar technology. It can be programmed to optimize energy consumption based on occupancy patterns.

Programming

Refer to the user manual for detailed instructions on programming the sensor to optimize energy consumption.









Maintenance

Regularly inspect the sensor for any physical damage or obstructions that may affect its performance. Clean the sensor periodically to ensure accurate detection.

PRODUCT INFORMATION

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

PRODUCT SPECIFICATIONS

	Input	Wave Radar Light intensity Temp sensor	24GHz Millimeter Wave Radar Lux meter 0-5000 Lux Resistance Temp sensor
	TIS BUS	Number of devices on 1 line Bus voltage Current consumption	Max. 64 12-32 V DC <15 mA / 24 V DC
	PIR Detection	Antenna range Antenna angle	5-6 meters (installation height 2.6 - 3 meters) 65° from the ceiling down
	Operation	Programming button Indicator LED TIS bus	For assignment of the physical address Blue or Red LED (optional) TIS Protocol messages and commands
	Functions	Movement /No Movement Logic Occupancy No Occupancy Logic Light intensity Timer	20 commands on movement action 20 commands on occupancy action 20 commands on light intensity action Timer based for saving energy
	Dimensions	Length x Width x Height	60mm x 60mm x 38mm
	Housing	Materials Casing color IP rating	ABS anti fire / PC anti fire White IP 20
	Air humidity		<85% non-condensing

Read Instructions

- We recommend that you read this Instruction Manual before installation.

Safety instructions

- Electrical equipment should only be installed and fitted by electrically skilled persons.
- Failure to follow the instructions may cause damage to the device and other hazards.
These instructions are an integral part of the product and must remain with the end customer.

Programming

- Advanced programming requires knowledge of the TIS Device Search software and instruction in the TIS advanced training courses.

Simple Installation

- You can use 2 screws to install this sensor on the ceiling.

Mounting Location

- Install in a dry, indoor area with a suitable temperature and humidity range.

Data Cable

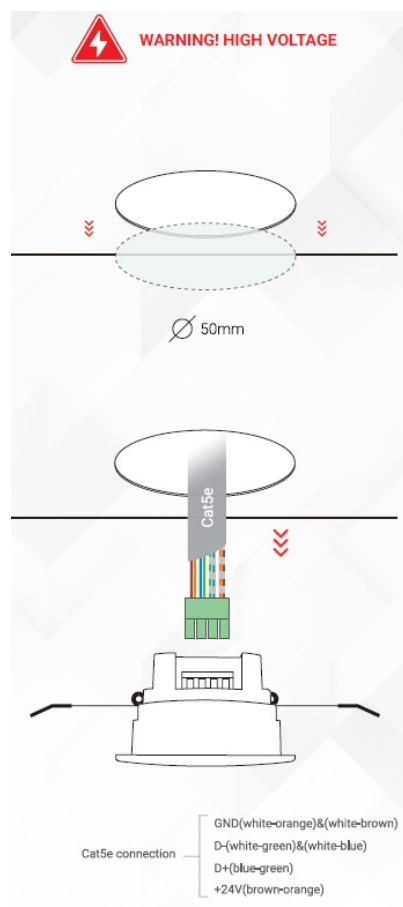
- Use a screened stranded RS-485 data cable with four twisted pairs. Configure devices in a “Daisy Chain.”
- Do not cut or terminate live data cables.

Warranty

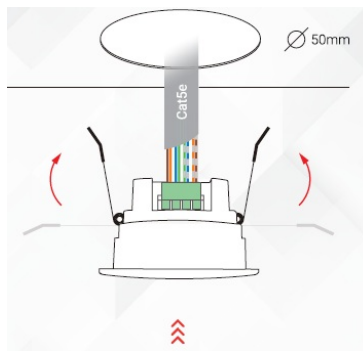
- There is a two-year warranty provided by law. The hologram warranty seal and product serial number are available on each device.

INSTALLATION STEPS

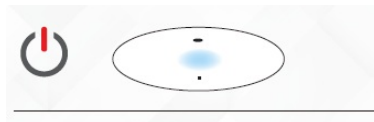
1. Turn off the TIS power supply
2. Create a 50mm hole in the ceiling to fit the sensor properly
3. Attach the TIS-BUS cable to the sensor, ensuring a secure connection








4. Push the mounting springs upwards with one hand and insert the mounting springs through the hole; then push the sensor until it is fitted into the ceiling



5. Push the mounting springs upwards with one hand and insert the mounting springs through the hole; then push the sensor until it is fitted into the ceiling



TROUBLESHOOTING

 <p>The sensor's LED blinks rapidly.</p>	<p>Reason: The sensor address conflicts with another device in the TIS network. You need to press and hold on the sensor PCB PRG button for 6 seconds so that the sensor can get a new address.</p>
 <p>The sensor's LEDs do not turn ON, and the device is not powered.</p>	<p>Reason: The TIS 24V power supply is not connected to the TIS-BUS.</p>
 <p>The sensor fails to control the device channels.</p>	<p>Reason 1: The TIS-BUS connection has a problem, or the wire has a short.</p> <p>Reason 2: The programming address is faulty.</p>
 <p>The sensor LED is always off, but it works fine.</p>	<p>Reason: LED is disabled in the software.</p>
 <p>The sensor's sensitivity is not strong.</p>	<p>Reason 1: The sensitivity level is reduced in the software.</p> <p>Reason 2: The ceiling where the sensor is installed is not high enough.</p>

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 - All of the specifications are subject to change without notice.
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Frequently Asked Questions

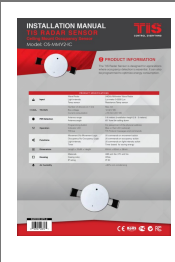
Q: How can I adjust the sensitivity of the radar sensor?

A: The sensitivity of the radar sensor can usually be adjusted through the programming interface. Refer to the user manual for specific instructions.

Q: What is the maximum coverage area of the sensor?

A: The coverage area of the sensor may vary based on installation height and environment, but generally, it can cover a standard room size.

Documents / Resources

	tis control OS-MMV2-IC Radar Sensor [pdf] Installation Guide OS-MMV2-IC, OS-MMV2-IC Radar Sensor, OS-MMV2-IC, Radar Sensor, Sensor
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References

- [User Manual](#)

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CONTROL

OS-MMV2-IC, OS-MMV2-IC Radar Sensor, Radar Sensor, Sensor, TIS
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