INSTALLATION MANUAL
TIS PIR SENOR
Ceiling-mount Motion Detector
Model: MS-PIR-CM

CONTROL EVERYTHING

PRODUCT INFORMATION

This product is a BUS-operated PIR sensor designed for automatic light adjustments in areas where motion detection is a priority.

PRODUCT SPECIFICATIONS			
	PIR, Lux and Dry inputs	PIR motion sensor Digital input. Open / Close Length of connected wire to DI Light intensity sensor	Dual element pyro-electric ceramic 2 Channels < 350 meter 0 – 8000 Lux meter
	Temperature sensor	accuracy Operating range Respond time	+/- 0.3 C -40°C – 85°C 5-30 Seconds
TIS BUS	**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	PIR range PIR detection angle	4-6 meters (installation height 2.6 - 3 meters) 110° from the celling down
	Operation	Programming button Indicator LED TIS bus Upgrading	For assignment of the physical address Blue or red LED (optional) TIS protocol messages and commands 1 X mini USB for upgrading
	Functions	Logic/ Timers IR Code memory / Flags Security function IR receiver	32 Timers and Logic conditions 250 IR code memory & flags Away, Night, Day, fire alarm setting 8 buttons function
	Weight	Without packaging	60g
	Dimensions	Width × length × height	92mm × 92mm × 39mm
	Housing	Materials Casing color Base color IR window cover IP rating	Fireproof ABS & PC Gray White Black Transparent White IP 20
	Temperature range	Operation Storage Transport	-10…60°C -20…50°C -25…75°C
	Air humidity		<85% non-condensing

BARCODE (UPC-A)

6 58921 79866 9

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MODEL : MS-PIR-CM

Read Instructions

We recommend that you read this Instruction Manual before installation.

Mounting Location

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

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.

Data Cable

Use screened stranded RS485 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.

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 celling.

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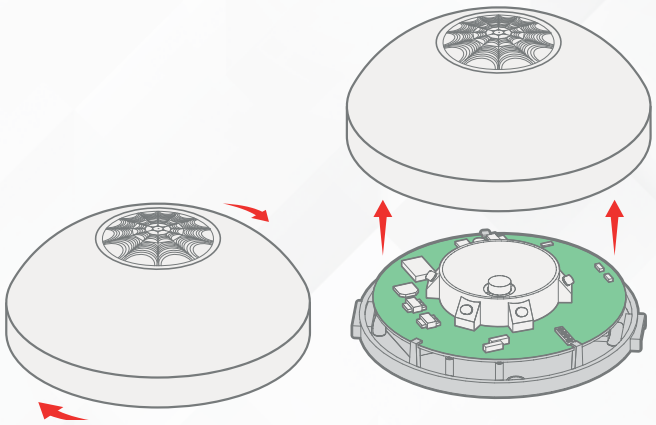
INSTALLATION STEPS

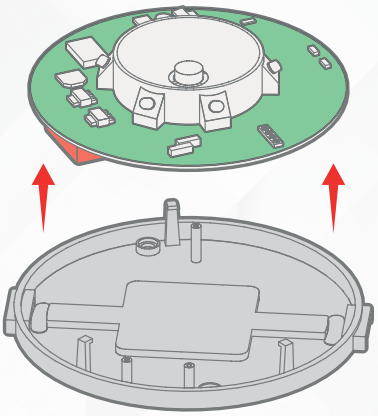
1 Turn off TIS power supply.

WARNING! HIGH VOLTAGE

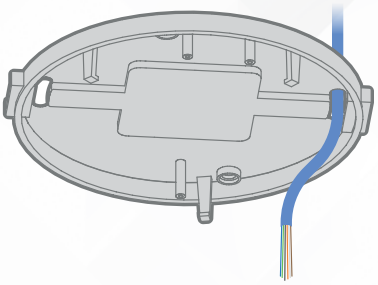
2 Rotate the sensor cover to open it.



3 Remove the PCB from the holding pins.



4 Open the wire holes, and insert the TIS-BUS cable in the sensor base.



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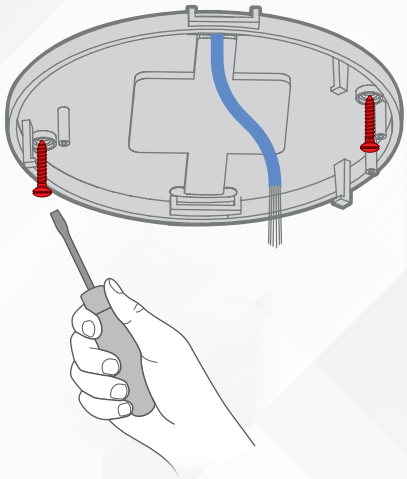
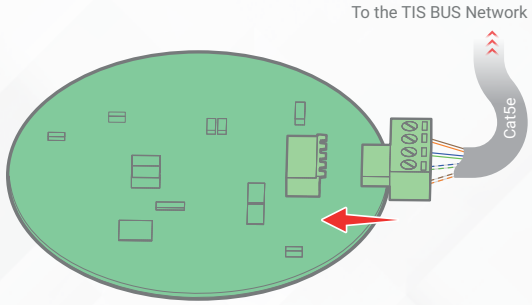
INSTALLATION STEPS

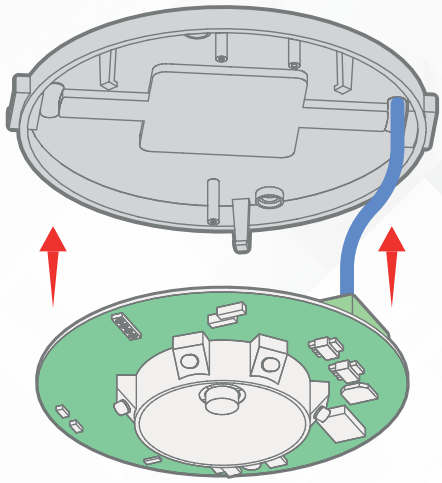
5 Mount the sensor base on the celling by 2 screws.



6 Connect the TIS-BUS cable to the 4-pin terminal and Insert the terminal in the board. Make sure to connect the BUS cable to the green connector.



7 Secure the board inside the sensor base using the base pins.



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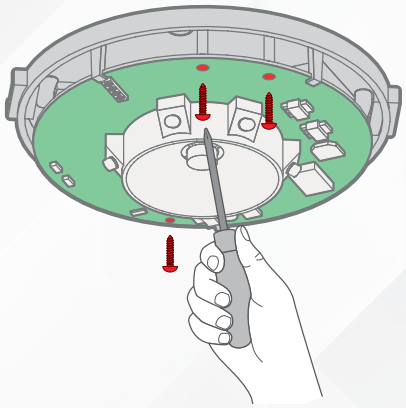
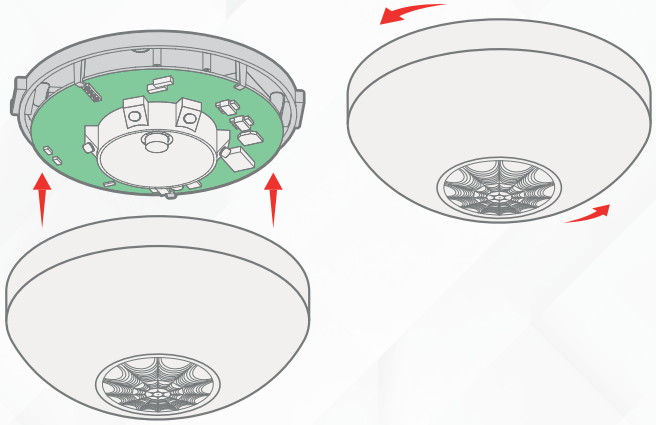
INSTALLATION STEPS

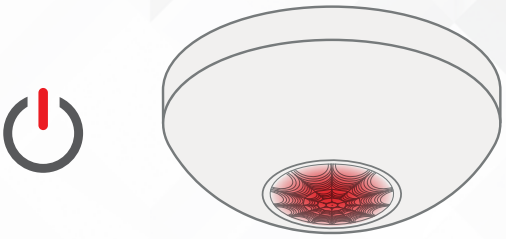
8 Install the extra 3 screws (optional).



9 Close the cover of the sensor.



10 Turn the power supply ON. The sensor LED should turn on.



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TROUBLESHOOTING

The sensor's LED blinks rapidly.	**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.
The sensor's LEDs do not turn ON, and the device is not powered.	**Reason:** The TIS 24V power supply is not connected to the TIS-BUS.
The sensor fails to control the device channels.	**Reason 1:** The TIS-BUS connection has a problem, or the wire has a short. **Reason 2:** The programming address is faulty.
The sensor LED is always off, but it works fine.	**Reason:** LED is disabled in the software.
The sensor's sensitivity is not strong.	**Reason 1:** The sensitivity level is reduced in the software. **Reason 2:** The ceiling where the sensor is installed is not high enough.

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