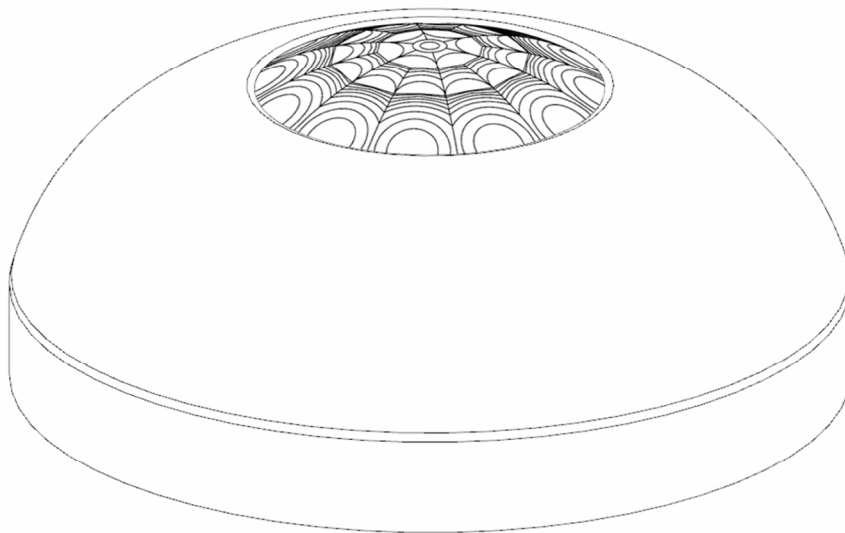


TIS PIR Sensor Ceiling Mount Motion Sensor

Model: MS-PIR-CM

Data Sheet Rev 1.1



Safety instructions

Electrical equipment may only be installed and fitted by electrically skilled persons. Failure to observe 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.

Basic information

This device is a product of the TIS system. It is a ceiling mount device with PIR detector which can be controlled and communicate with other devices in the network by TIS protocol messages, technical knowledge obtained in TIS training courses is a prerequisite to proper understanding how to install device. Advanced Programming knowledge about software obtained in the advanced training courses.

Intended use

Control lighting saving energy and security, e.g. light on/off, brightness values, control air condition, and fan control.

Product characteristics

Input	PIR motion sensor	Dual element pyro-electric ceramic
TIS Bus	Number of devices on 1 line Bus voltage Current consumption	Max. 64 12-32 V DC <15 mA / 24 V DC
Detection	PIR range PIR detection angle	4-6 meters (installation height 2.6 - 3 meters) 110° from the ceiling down
Protection	Protection	Reverse Polarity Protection
Reaction time		approx. 20ms
Mounting	Ceiling mount	by 2 screws on the base of the sensor
Connection terminal	Data / bus	terminal connector 0,25...2mm2
Operating and display elements	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 up to date upgrading.
Functions	Movement Logic No Movement Logic Timer	20 commands on movement action 20 commands on no movement action No movement Timer for saving energy
Weight	Without packaging	0.05 KG
Dimensions	Width x length x height	92mm x 92mm x 39 mm
Housing	Materials Casing color Base color	ABS anti fire / PC anti fire Gray White Black
Temperature range	Operation Storage Transport	-10...60°C -20...50°C -25...75°C
Air humidity		<85% non-condensing

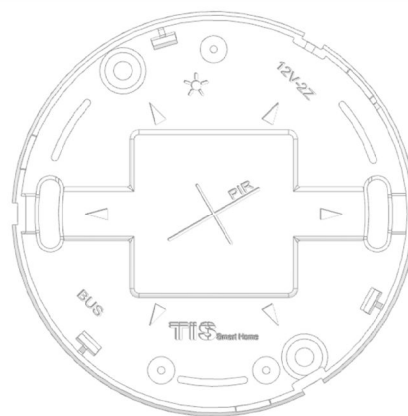
Installation Tips

PIR angles is different in detection strength , as you see in the base there is



PIR instruction .

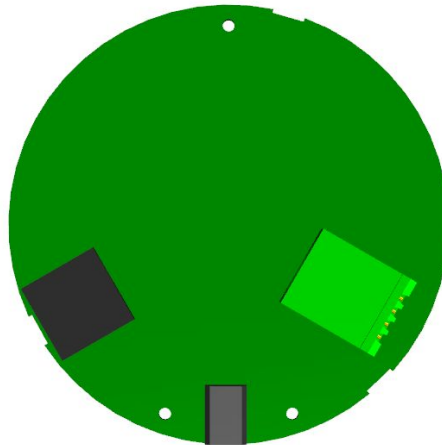
For best installation please install the sensor base in the direction of the longer row to cover more area in your room.



Wiring diagram

Data connection

terminals Conector



Warning: Please turn off the power supply before any installation

By using the Cat5e cable to connect to TIS bus 4 terminals (24V,D+, D-, GND)

Recomanded UTP cat5e color connection

24V – Orange
D+ – Blue
D- – White Blue
GND – White Orange

Warranty

We provide a warranty as provided for by law.

Product serial number is provided by each device.

Please send the description of the defect with Product S/N to our dealer network.

info@tissmarthome.com

www.tissmarthome.com