Microwave Sensor for Select Series UFO

Product Specifications

HM1 is an innovative motion detector that uses 5.8GHz high frequency that can detect motion through plastic, glass and thin non-metal materials.

The sensor supplies a simple energy-saving solution to use light only when and where you need it. It automatically switches on/off light based on motion and ambient light level. Easily install the HM1 in the pre-installed Zhaga Book-18 socket on the Select Series UFO.
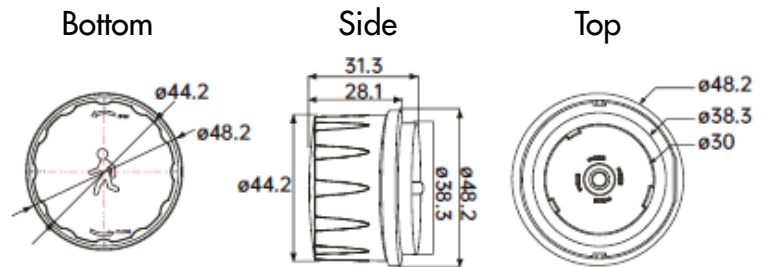
Reasons to choose the HM1 Motion Sensor from TCP

- Automatic switching based on motion and light level
- Zero-crossing point operation helps protect the sensor against in-rush current
- Zhaga Book-18 Receptacle for easy twist-lock installation

- Detection area, time delay and daylight threshold can be precisely set via remote control *remote sold separately
- Wide detection area, range up to 16m in diameter
- 5.8GHz microwave module provides detection for mounting heights up to 15m
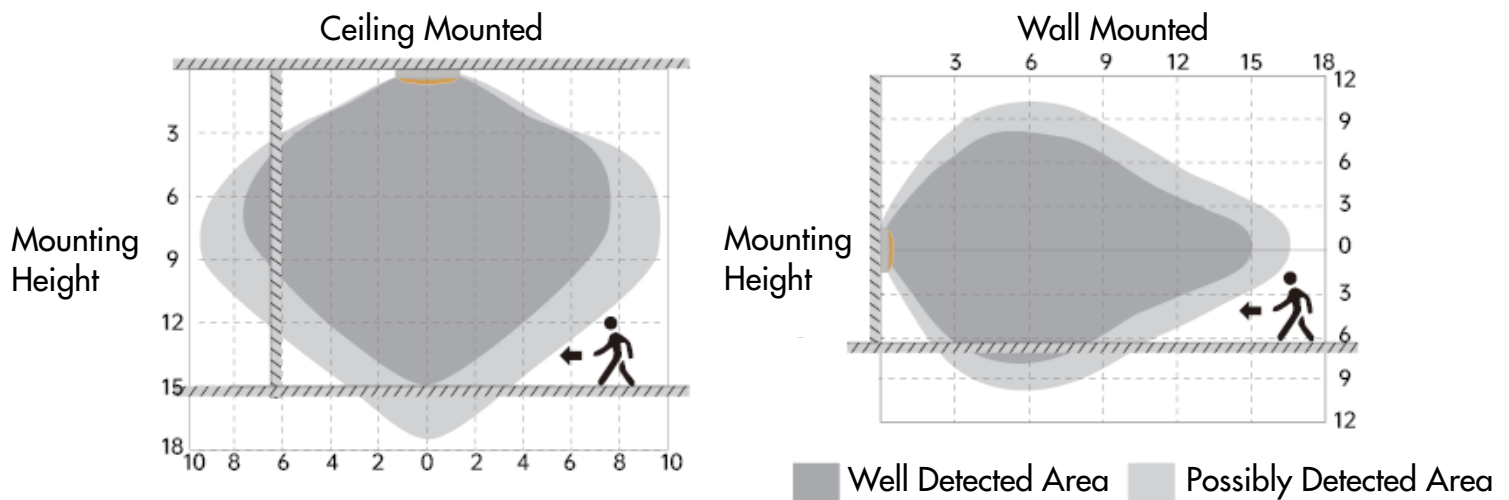
Ideal Applications

- Warehouses
- Storage

- Manufacturing Facilities

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5 YEAR WARRANTY

Specifications

Operating voltage	120-277Vac, 50/60Hz
HF system	5.8GHz ± 7.5MHz, ISM wave band
Power consumption	≤0.3mW (Standby)
Detection zone	Max.(D x H): 16m x 15m
Detection sensitivity	25% / 50% / 75% / 100%
Hold time	5s / 30s / 1min / 3min / 20min / 30min
Daylight sensor	2 Lux / 10 Lux / 30 Lux / 50 Lux /80 Lux / 120 Lux / Disable
Mounting height	15m Max.
Motion detection	0.5-1ms
Detection angle	150°(wall installation)
	360°(ceiling installation)
Operating temperature	-20°C to 60°C
IP rating	IP65

Bottom   Side   Top

Detection Pattern

Ceiling Mounted

Wall Mounted

Mounting Height

Mounting Height

Well Detected Area   Possibly Detected Area

Factory Settings

- Detection area 100%
- Hold time 5s
- Daylight threshold disabled
- Standby period 0s
- Standby dimming level 10%

  *Can be customized via remote

Remote Instructions

| Buttons	Function	Performance
⏻ (ON/OFF)	ON/OFF	Turn ON or OFF the sensor.
MW/PIR	MW/PIR	Switch from Microwave to PIR Detection (In applicable sensors).
Scene	Reset	Press it to start detection programming; before pressing any other buttons, the screen shows default programming (Detection Area 100%, Hold time 5S, Daylight Disable, standby Dimming 10%, Standby Period 0S).
Start	Start	Press it before using the memory function; the S will start blinking which signifies that the changes made will be stored in the memory.
Memory	Memory	Press it after the desired functions have been selected; the S will become a solid M which signifies that the changes have been saved.
Apply	Apply	Press it to deliver the preset program to the specific sensors; every press will make the whole screen blink gently.
(detection icon)	Detection Area	Also known as "sensitivity", 100% means the highest sensitivity and longest distance. Press it, the sensitivity icon will blink and press the +/- buttons to adjust.
(clock icon)	Hold Time	The period that light will stay illuminated 100% after no motion is detected. Press it, the clock icon will blink and press the +/- buttons to adjust.
(sun icon)	Daylight Threshold	The preset lux level to compare with ambient brightness when motion gets detected. Press it, the sun icon will blink and press the +/- buttons to adjust.
(sun clock icon)	Standby Period	The period after hold time during which light keeps standby dimming level. Press it, the sun clock icon (with arrow) will blink and press the +/- buttons to adjust.
(light bulb icon)	Standby Dimming Level	After hold time the light will dim from 100% to optional standby dimming levels. Press it, the light bulb icon will blink and press +/- buttons to adjust.
▲ +	UP	The main functional buttons to adjust the factors to wanted level.
▼ −	DOWN	
POWER %	POWER	Supports to manually change dimming output detection mode. Press it, the light power icon will blink and press +/- buttons to adjust.
Test 2s	Test Mode	Supports to check if the sensor works correctly with a short 2S hold time. Press it and hold time will change to 2S, and the changes will not be saved.

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Remote Instructions

Basic On/Off Mode:

1. Press the power button (Device will power off, press again to turn on).
2. The Sensor will be turned off and the fixture will be in basic on/off mode.
3. To dim the fixture, press the up and down arrows.

Sensor Mode:

1. Press the Scene button to enable the sensor

    (Device will dim down and up to signify the signal has been received).
2. The sensor will use the settings currently displayed on the remote.

To Program the Remote and Fixture:

1. Press the start button to set the remote into programming mode

    (The S icon will flash in the bottom left of the screen).
2. Press the individual setting buttons and use the up and down arrows to select the setting

    (the individual setting icons will flash on screen when selected).
3. After selecting all the desired settings, press the memory button to save the settings to the remote.
4. Aim the remote at each device you would like to program and press apply

    (The device will dim down and up to signify the signal has been received).

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Sales:

Date:

Model:

Project:

Rep:

Catalog Number:

Type:

Notes:

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