

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





# Microwave Sensor for Select Series UFO

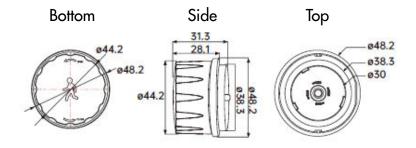
## **Specifications**

Operating voltage HF system Power consumption Detection zone Detection sensitivity Hold time Daylight sensor Mounting height Motion detection Detection angle

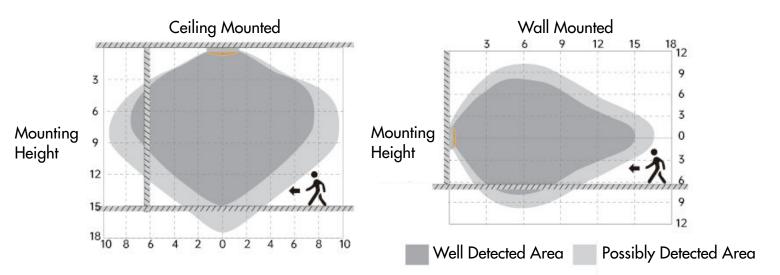
Operating temperature

IP rating

120-277Vac, 50/60Hz 5.8GHz ± 7.5MHz, ISM wave band ≤0.3mW (Standby) Max.(D × H): 16m × 15m 25% / 50% / 75% / 100% 5s / 30s / 1min / 3min / 20min / 30min 2 Lux / 10 Lux / 30 Lux / 50 Lux /80 Lux / 120 Lux / Disable 15m Max. 0.5-1ms 150°(wall installation) 360°(ceiling installation) -20°C to 60°C IP65



#### Detection Pattern



#### Factory Settings

- Detection area 100%
- Hold time 5s
- Daylight threshold disabled
- Standby period Os
- Standby dimming level 10% \*Can be customized via remote



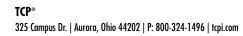


## Microwave Sensor for Select Series UFO

#### **Remote Instructions**

	100 <u>%</u> 5 ° 10 <u>%</u> 0 °
Start Memory	Scene
Uetection range Stardby dimming	Hold time Standby period
Est (29) (29) (29)	POWER %

Buttons	Function	Performance
Ċ	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.
<b>ジ</b> 表	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.
	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.
۲. پې	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.
$(\mathfrak{G})$	Standby Period	The period after hold time during which light keeps standby dim- ming level. Press it, the sun clock icon (with arrow) will blink and press the +/- buttons to adjust.
	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.
Ţ	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.







# Microwave Sensor for Select Series UFO

#### 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:

- 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:

- 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).



# TECHNOLOGY CAST IN A BEAUTIFUL LIGHT

For over 30 years, TCP has been designing, developing and delivering energy-efficient lighting into the market. Thanks to our cutting-edge technology and manufacturing expertise, we have shipped billions of high quality lighting products. With TCP, you can count on a lighting product that is designed to meet the needs of the market - that transforms your surroundings and envelopes you in warmth - lighting that generates beauty with every flip of the switch.

Sales:	Catalog Number:
Date:	Туре:
Model:	Notes:
Project:	TCD
Rep:	we know light."

For more information on the quality and care TCP can deliver, call us at 800.324.1496 or visit tcpi.com