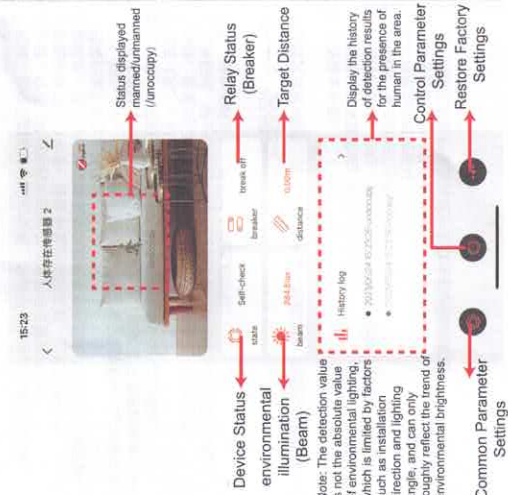


I .Main Parameters

Model	ZigBee:MTG075-ZB-RL Wi-Fi:MTG076-WF-RL	5.8GHz	24GHz
Parameter	Description		
Physics	Size	Φ105mm*28mm/Φ4.13in*1.1in	
	Color	White	
	Weight	About 120g (Comes with packaging and accessories)	
Sensor Parameters	Beam Angle	120X120°	115X115°
	The angle at which the signal energy decays by 3dB (0.5 times less) relative to the front at 0°.		
	Ceiling Detection Radius	•Presence : 2.5~3 m •Motion : 4~5.5m	
	Sensitivity	0~9; Default 7	
	Ceiling Installation Height	Typical height: 2.7-3.5 m	
Sense Distance	Height	0-10m,Default 6m	0.3-10mm,Default 6m
		1. Detection distance refers to the maximum distance from the sensor to a straight line that can detect moving, micro-movements, or breathing targets, not the maximum diameter or radius of the detection area. 2. The distance is not absolute, and the sensor detection has a distance resolution of approximately 1 m. If set to 3 m, triggering within a range of ±1 m at the 3 m position is	

VII.Parameter settings

1.Device Management Interface

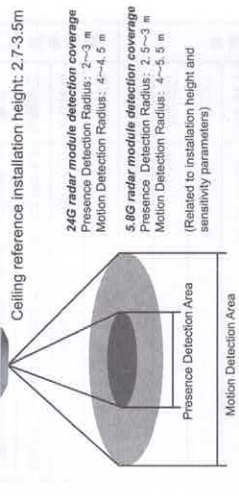


II . Detection range: Ceiling mounted

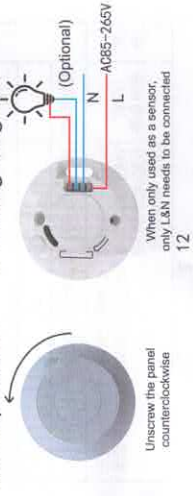
The following figure shows the schematic diagram of the detectable area of the sensor during "ceiling mounting".

1. **Micro Motion Detection Area:** It can detect micro movements (such as tilting the head, waving, lifting the hand, gently moving, flipping the book, slightly lifting the left and right front and back), and movements (such as walking, jogging, fast running, turning circles, high jump, etc.), presence (standing still, squatting still);

2. **Presence/Breath Detection Area:** can detect the human body in static states such as standing still, squatting still, and sitting still.



III . Preparation



3.Control Parameter Settings

- a. **Status Indication: silence/instructions (default silence)**
The indicator light will not flash when silence. When the sensor is working, the indicator light will flash when human presence is detected.
- b. **Sensor(Default turn on)**
The radar sensor can be set in four states: turn on, turn off, manual (occupied), and manual (unoccupied). For example, if manual (occupied) is set up, it will continue to maintain a presence regardless of whether someone is present or not. If manual (unoccupied) is set, the unoccupied (unoccupied) state will be maintained continuously.
- c. **Breaker Mode: standard/local/mandatory/not support**
Standard (cloud linkage): It can be remotely controlled to turn on/off the relay through the APP. **Local (manual control):** If someone is present, the relay will automatically turn on; otherwise, it will turn off. **not support:** Disable relay.
- d. **Breaker Status: turn on/turn off**
In standard mode (cloud linkage), the relay can be remotely controlled to turn on/off through the APP.
- e. **Illumin threshold:0-500.00Lux**
When the device is in local (automatic) mode operation, it can be automatically controlled in conjunction with the illumin threshold. When the actual illuminance value is lower than the set illumin threshold, the local mode of the relay (breaker mode) is executed normally. When the actual illuminance value is higher than the set illumin threshold, the relay remains closed regardless of whether someone is present.

IX .Installation Principles

1. In hallways, changing rooms, kitchens, and other indoor areas, sensors should be installed in the center as much as possible and firmly fixed.
2. In bedrooms and toilets, sensors should be installed 0.4-0.6m in front of the top of the toilet/squatting position, away from doors, windows, and exhaust fans.

	considered normal.
	3. The distance value is mainly used as a filter glass partition, gypsum board, and wooden partition, and is not strictly used as an area for detection. If a detection of 3m is set, there may be missed alarms or false contacts at a distance of ± 1m at the 3m position.
Departure Delay	0.5s~25 min. It is recommended to set it to no less than 15s. Otherwise, detection may be missed.
Beam	0~500 lux (The approximate brightness of the environment in which the sensor is located).
Frequency	5.8 GHz ±75 MHz/ISM wave
Transmitting Power	3~5 dBm
Network	ZigBee3.0/WiFi (2.4GHz) /BLE
Input	AC85-265V
Power	<2W
Working Temperature	-10℃~+50℃
Storage Temperature	-20℃~65℃
Working Humidity	5~90% RH (No Condensation)
Working Altitude	0-2000m
Relay Load	Resistive loads3000W / LED5300W
Restricted Usage Scenarios	8.6GHz: In elevators, metal sealed toilets, and similar all metal sealed spaces; Scenarios where the plane area of metal decorative materials outside the non ceiling area exceeds 20%. 24GHz: The restrictions are not significant.
Others	

2.Common Parameter Settings

- a. **Sensitive: 0-9(Default 7).**
When the sensor is working, the detection threshold for the strength of object energy.
- b. **Departure Delay:0-1500s(Default 15S)**
Used to configure the confirmation time after the "target disappears". The larger the parameter configuration, the easier it is to reduce false positives caused by accidental disappearance of the target.
- c. **Detection Range: 0-10m/ 0.3-10m**
The maximum distance detected by the sensor during working.
- d. **Entry Sensitivity: 0-9 (default 7)**
The sensitivity threshold triggered for the first time when the target enters the detection range is mainly used to filter out accidental contact interference.
- e. **Entry Filter Time:0-5S(Default 0.1S)**
When the target enters the detection range, mainly used for filtering accidental contact interference.
- f. **Entry Distance Indentatio: 0-10.00m (Default 0.6m)**
The distance from the sensor to the target based on the detection distance. Mainly avoid false triggering caused by distance edge interference.
- g. **Shield Range: 0-10.00m(Default 1.0m)**
The nearest distance detected by the sensor during working. Its value must be less than the "Detection Range".
- h. **Block Time:0.1-255.0S(Default 2.5s)**
Set the "Block Time" to X seconds. After switching from manual (occupied) mode to manual (unoccupied) mode, it takes X seconds for the target to be detected again. Mainly solves the interference of sensors caused by power ripple and radiation generated by controlling external devices.



