ECO. NO.	REV	MARK	DETAILS	DESIGN	DATE
	1		首次发行	易晓庆	2025-6-30
	2		更改内容	易晓庆	2025-9-18

Notes:

1.Material: 80g printing paper, white.size 290*210mm.

2.Printing: Black

3.Pack and tie a label with part number 0-ML00-3185-01-1.

ACP-1008ZB Tuya

Product Overview

The ACP-1008ZB Tuya is part of the Tuya smart lighting control system. It works with Tuya Zigbee gateways and compatible Zigbee devices to enable automated lighting. When motion is detected, it turns lights on; when no motion is detected, it turns them off.

Specifications:

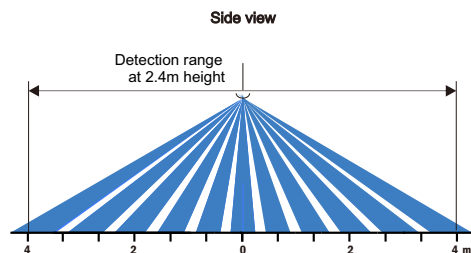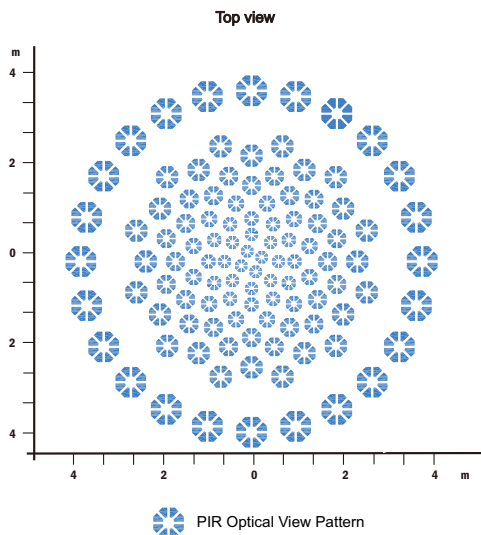Opereting Power:12-24VDC

Mounting height: 2.4m

Detection Range:8m diameter

Operating Temperature:-10℃ to 55℃

Wireless Protocol: Zigbee

Dimensions: 80mm daimeter X 42mm height

Optical View Pattern:

Top view

PIR Optical View Pattern

Side view

Detection range at 2.4m height

LED Indicator(Red):

Before pairing:LED flashes continuously.
After pairing:
On power-up: LED stays on for 10 seconds
Normal operation: LED off
Alarm trigger: LED flashes once per event

Device Pairing Instructions:

Note: User must provide their own Zigbee gateway and compatible Zigbee devices (e.g., Zigbee lights).

一.Preparation:

① Mobile App:Download and log in to the Smart Life app

② Gateway: Ensure the Tuya Zigbee gateway is powered on and connected to the same network as your phone.

③ Other Devices: Verify that the light uses Zigbee protocol and is powered on.

④ Product Setup: Confirm the device is powered (Red wire: 12–24V DC; Black wire: GND) with its red LED flashing continuously.

二.Device Connection

① Open the Smart Life app → Tap "+" (top right) → Select Wired Zigbee Gateway (Fig.1).

② Go to Wired Zigbee Gateway → Tap Add Sub-device (Fig.2) → Search for Motion Sensor & Smart Light → Confirm (Fig.3). If no human sensor is detected, hold the "NET-RST" button for 5 seconds to continue searching. See Fig.4
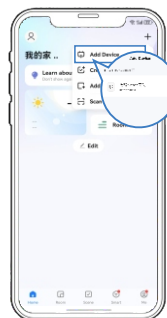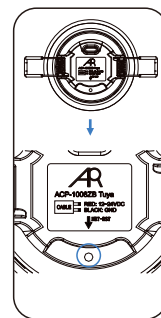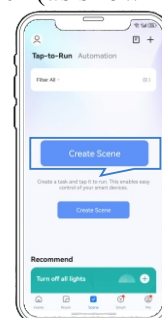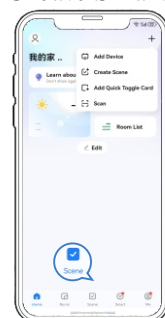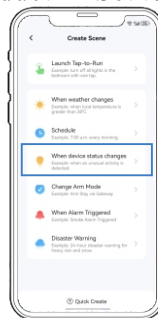

| Fig.1 | Fig.2 | Fig.3 | Fig.4 |

二.Creating Automation Scenarios:

2.1 Create Trigger Scenario (Lights ON when motion detected)

① Open Smart Life app → Tap "Scenes" on homepage → Select "Create Smart Scene" (as shown below)

②Set Trigger Condition: Select "When Device Status Changes"→Choose "Control Device"→Pick "This Product"→Set to "Motion Detected"

③ Set Action: Tap "+" (top right) → Select "Control Single Device"→Choose "Target Device"→Toggle "ON" → "Save" → "Next"→Enter Scene Name (e.g., "On")→ Confirm
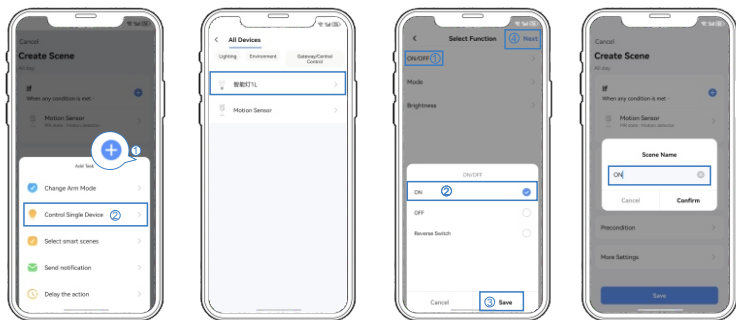
2.2 Create Auto-Off Scene (Lights OFF when no motion)
① New Scene: Scenes → "+" (create new)
② Set Trigger: Device Status Changes → Control Device → This Product → No Motion Detected
③ Set Action: "+" (top right) → Control Single Device → Target Device → OFF → Save → Next → Name (e.g. "OFF") → Confirm
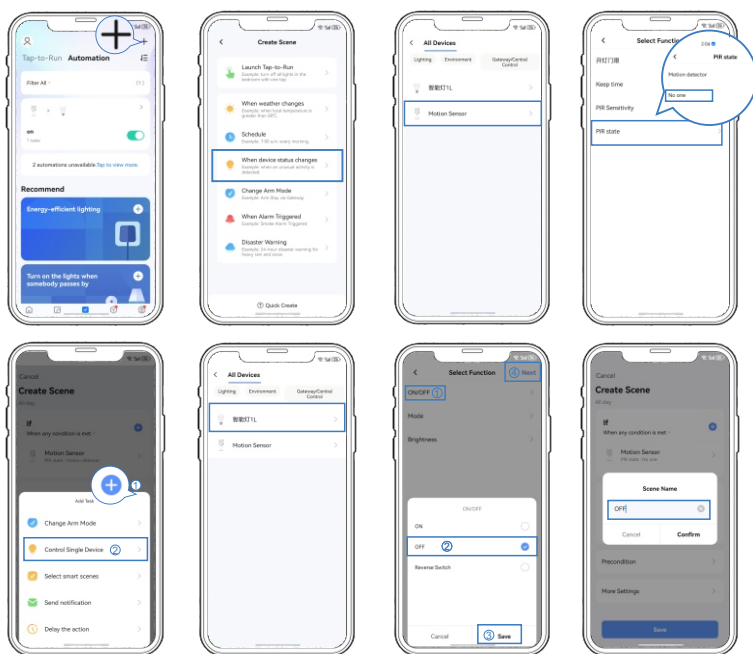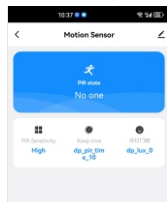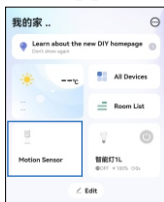

Note:
This example uses lights as the controlled device. The same method applies to other devices (only functional differences).
After creating both "Lights ON" and "Lights OFF" scenes:
√ Lights turn ON when motion is detected
√ Lights turn OFF when no motion is detected

Device Settings:
Tap product icon in App home screen or Zigbee gateway's sub-device list.

A. PIR Sensitivity Settings
√ Options: High/Medium/Low
√ Select level → Tap "Confirm" to save
Tip: Lower sensitivity if false triggers occur (lights turn on without motion).
B. Motion Hold Time
√ Sets light duration after detecting motion
√ Range: 10-1800 seconds (e.g., dp_pir_time_10 = 10 sec)
√ Select time → Tap "Confirm" to save

C. Light Activation Threshold
◆ Sets minimum ambient light level required to turn on lights when motion is detected
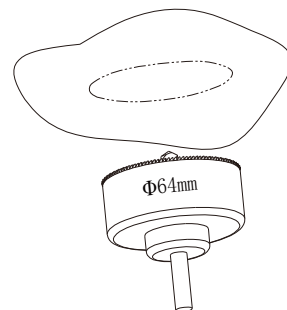√ dp_lux_5 = Activates only if ambient light <5 Lux
√ dp_lux_0 = Disables function (lights activate at any light level)
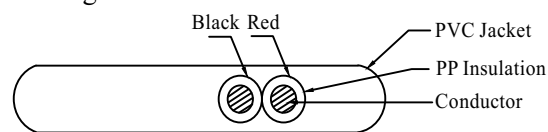◆ Select threshold → Tap "Confirm"

Product Installation:
1. Sensor Installation:
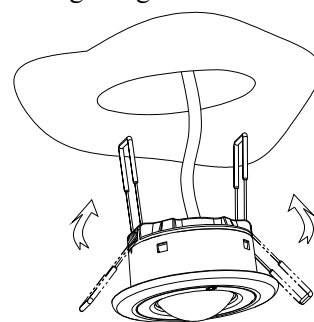Use a 64mm circular hole saw to drill a hole at desired location.

Φ64mm

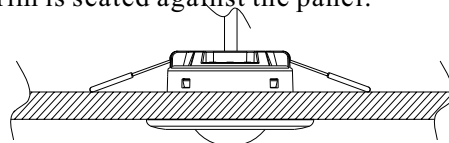2. Wire labelling

Black Red
PVC Jacket
PP Insulation
Conductor

Red:12~24VDC,Input
Black:COM

3. Connection as wiring diagram.

4、Press the retaining springs together, then push the springs and the sensor base through the hole until the sensor rim is seated against the panel.

5. Installation the lens shield:
Insert the screwdriver into the notch of the lens cover to open the lens cover and remove the lens.
Place the lens shield into the slot, and put the lens into the slot, then close the lens cover.
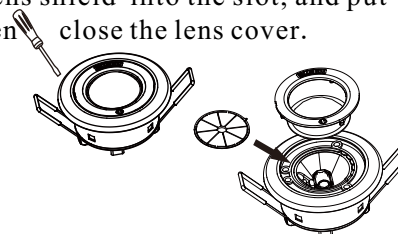
6. Usage of lens shield:
Lens mask can be used to block off areas that do not want detection coverage.
There are 8 sections on the mask which can be break off individually, each section covers 45 degree view.

45°