



# Teralux Human Presence Flat Ceiling User Manual



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# Teralux Flat Ceiling Human Presence Sensor

The Human Presence Flat Ceiling Smart Zigbee Sensor is a flush-mounted motion detector designed for smart home automation and security. It features Zigbee connectivity, adjustable detection range and sensitivity, and an integrated light sensor for precise control. With customizable delay and hold-time settings via the Tuya Smart App, it works seamlessly with Alexa and Google Home. Easy to install in an 80 mm ceiling opening, it's ideal for lighting automation and occupancy sensing in residential or commercial spaces, requiring only a compatible Zigbee gateway.

## Features

Ensures stable, low-power communication and seamless integration with Tuya, Alexa, and Google Home.

Covers 0.3–9 meters with customizable sensitivity for precise motion detection.

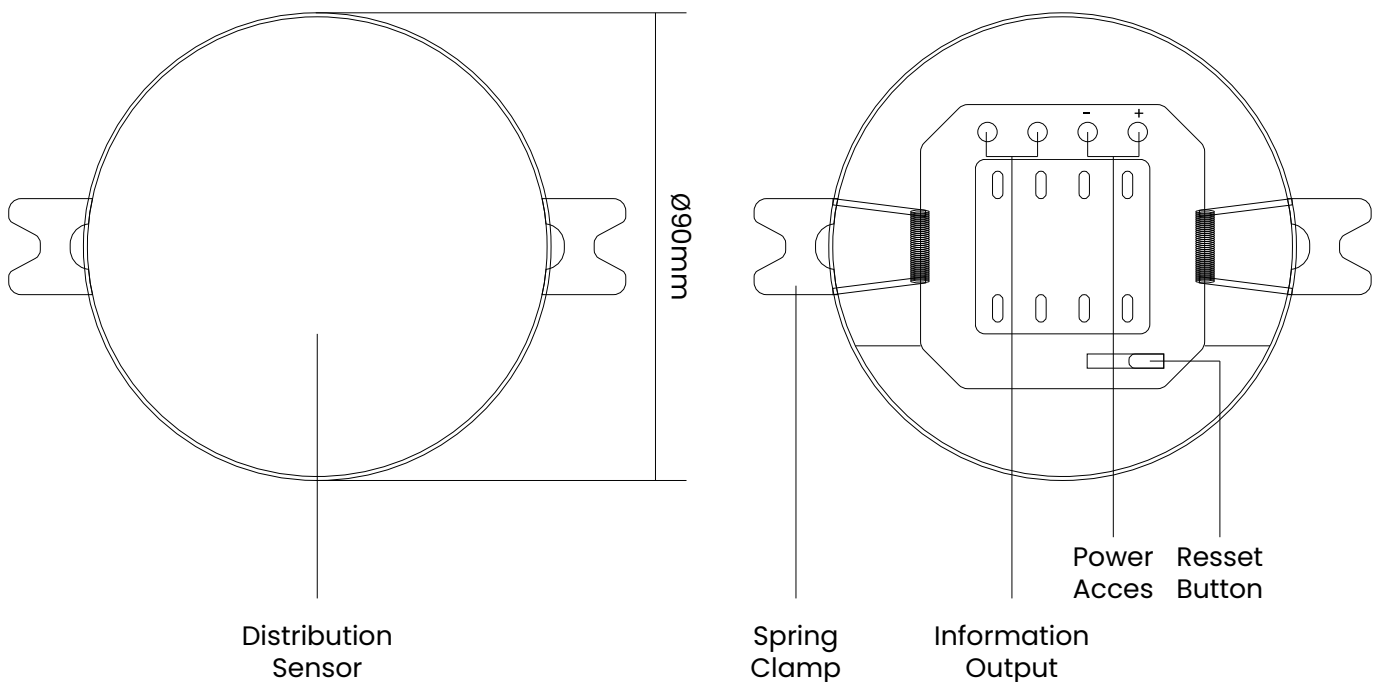
Automatically responds to ambient brightness to improve automation accuracy.

Supports adjustable delays and hold times up to 25 minutes for tailored automation.

Reliable operation from -20°C to +70°C for various indoor environments.

Sleek, unobtrusive installation ideal for modern residential and commercial spaces.

## Product Dimension & Attributes

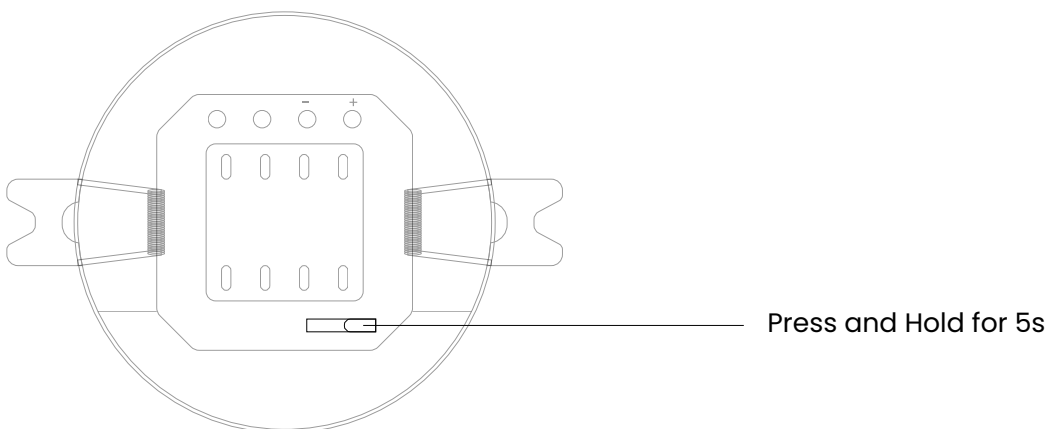


## Technical Parameter

Parameter	Specification
Communication protocols	Zigbee
Input voltage	DC 12V
Operating current	≤70 mA
Operating temperature range	-20°C to +70°C
Detection range	0.3–9 meters (default: 6 meters)
Sensitivity levels	0–9 (default: level 7)
Ambient light sensitivity	0–2000 lux
Detection confirmation delay	0–10 seconds
Hold time after motion ends	0.5 seconds to 25 minutes

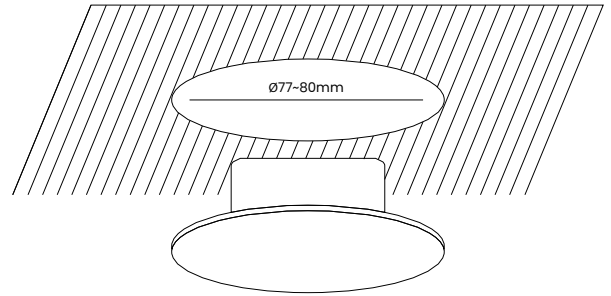
## Entering The Network Configuration Mode

Power on the device, then press and hold the button for 5 seconds until the blue indicator light flashes quickly, indicating it has entered network configuration mode. Keep the device close to the gateway during setup. Open the My Home Page in the TuyaSmart app, select the gateway, and add the device following the app instructions. If the configuration fails, long-press the button again until the blue light flashes and repeat the process.



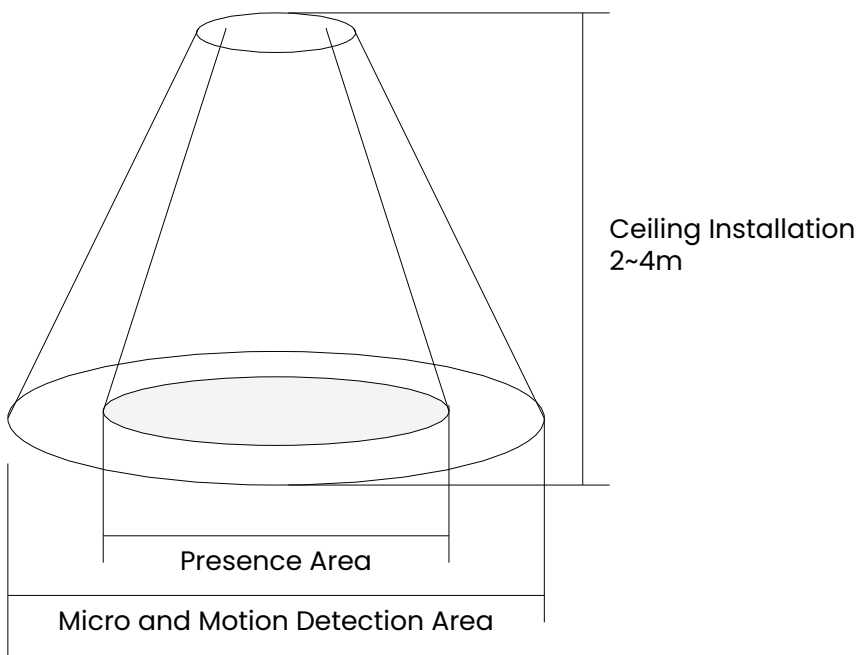
## Installation Instructions

Choose a suitable installation position on the ceiling so the detection area is fully covered. The equipment panel diameter is 93mm, with a rear rectangular part of 65×70mm, and it requires a circular ceiling opening of 80mm. Connect the power and signal wires securely to prevent them from loosening. Once connected, clip the device into the ceiling hole to finish the installation.



## Device Detection Area

The device detection range includes a presence detection diameter of 2–6 meters and a motion/micro-motion detection diameter of 8–12 meters. Actual detection distance may vary based on installation conditions, human size, movement speed, and environmental factors. The stated parameters are based on test results and may differ in real installations, so the user should rely on actual measurements.



## User Instructions

In order to better adapt the equipment to the scene and environment and realize the best detection function and performance index simultaneously, the three main parameters of "detection distance", "sensitivity", and "delay time" can be adjusted:

## Detection distance:

Up to 9.5 m, default to 6 m. If the detection distance is too far, unnecessary target interference is easy to occur in the scene with low installation height and narrow installation height (secondary multiple reflection, L-shaped right angle reflection and other effects lead to the detection of targets that do not need to be detected or affect parameter indicators).

## Sensitivity:

Any number from 0 to 9 can be set. 9 represents the highest sensitivity and 0 represents the lowest. The default sensitivity is 7. The smaller the sensitivity, the greater the target micro motion or breathing amplitude and the closer the distance can be detected. The greater the sensitivity, if there are weaker and wider range of interferences, it is easier to make false alarm.

## Delay time:

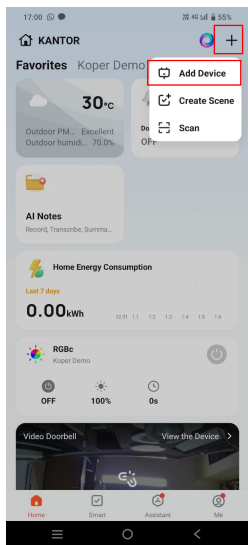
The delay time has two parameters:

(1) The parameter configures the confirmation time after "target detected". Configuring the best parameter value can greatly reduce the false alarm rate. Although the larger the value is, the more reliable it is, when the real target appears, the equipment needs a longer time to report that the target has been detected.

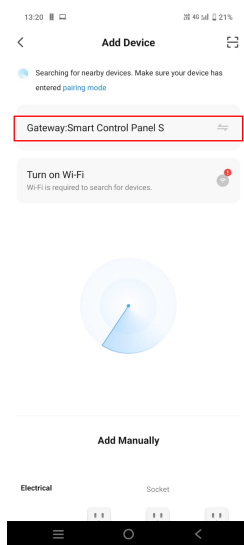
(2) The parameter configures the confirmation time after the "target disappears" (the delay time generally understood by the user). The larger the configured parameter value, the easier it is to reduce the false alarm rate caused by the accidental disappearance of the target. Although the larger the value, the more reliable it is, after the target really disappears, the equipment needs a longer time to report that the target has disappeared.

## Pairing Instruction

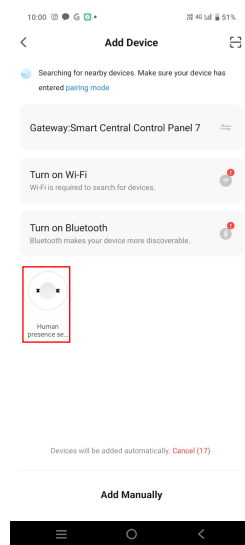
Press and hold the reset button for 5 seconds until the indicator light starts blinking. Once it blinks, the Teralux Smart Sensor enters pairing mode. Open the Tuya app, add a new device, select your gateway, and the nearby device will be detected and ready to connect.



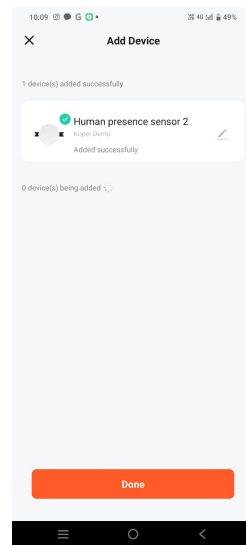
Add New Device



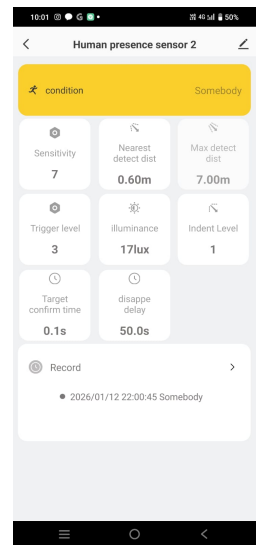
Select Gateway



Nearby Device Detected



Device Ready



App Interface



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