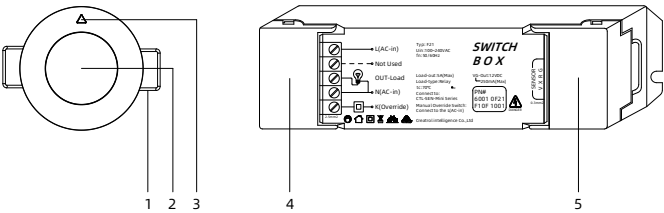


Mini-PIR-S1+

The CTL-SEN-Mini/1111.F21 Series is a compact, high-sensitivity motion sensor powered by precise Passive Infrared (PIR) technology. Designed for discreet, premium applications, it features a miniature form factor (Φ35 mm cutout) while offering a 360° detection diameter of up to 6.0 m. It integrates a high-precision lux sensor (0–32,000 Lux) for energy-efficient lighting automation.



Interface



1. Spring Clip
2. Fresnel Lens
3. Orientation Marker
4. Power Connection Port (AC 100 to 240 V)
5. Sensor Wiring Terminal (PH 2.0 mm 4-Pin)

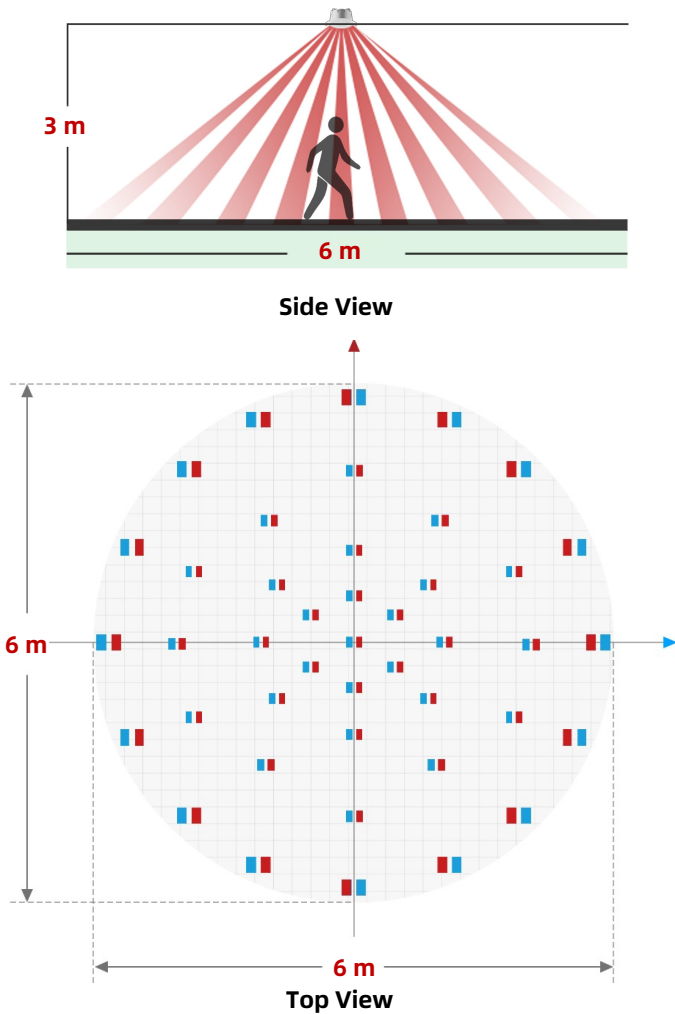
Features

- Equipped with PIR motion detection.
- Quad-element PIR technology enhances radial movement detection and minimizes blind spots.
- Integrated high-precision sensor for accurate indoor illuminance monitoring.
- Features 1 relay output
- Adjustable lighting threshold.
- Supports parameter configuration and status readout via IR remote control.
- Indicator LED brightness automatically adjusts to ambient light levels.

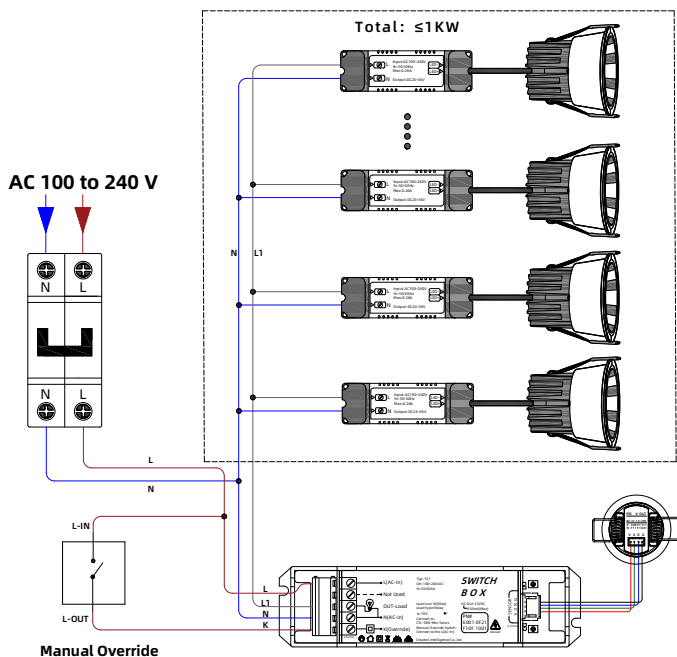
Specifications

Output Type	Mains Output
BOX Input Voltage	AC 100 to 240 V
BOX Output Voltage	DC 12 V (< 500 mA)
Sensor Input Voltage	DC 12 V
Power Consumption	0.5 W (Max)
Relay Output	Normally Open Mode Normally Closed Mode
Relay Load	AC 100 to 240 V, ≤ 5 A
Indicator Light	LED
Detection Mode	Pyroelectric Infrared Receiver
Installation Method	Recessed Ceiling Mount
Mounting Height	2.0 to 4.0 m
Detection Angle	360°
Detection Range	When the installation height is 3.0 m, the motion detection diameter is ≤ 6.0 m
Illuminance Monitoring	0 to 32,000 Lux (Accuracy ±4%)
Delay Time	1 to 3,600 seconds
Product Size	Φ43 mm × 25 mm
Cutout Size	Φ35 mm
Product Weight	14.5 g
BOX Size	121 mm × 35 mm × 26 mm
BOX Weight	88 g
Cable Assembly	UL2468 22AWG Cable Length: 200 mm
Operating Environment	Indoor -20 to 45°C Humidity < 95% RH (Non-condensing)
Storage Temperature	-40 to 85°C
Protection Level	IP20
Housing Material	PC

Detection Range



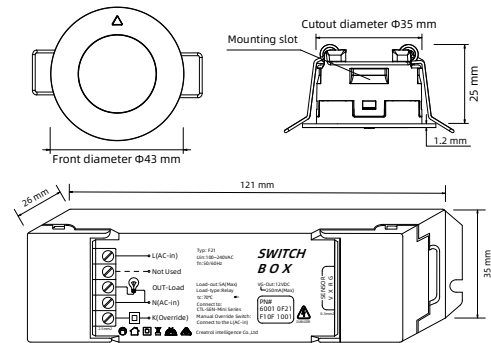
Wiring Diagram



Manual Override: Connects to an external switch to force lights ON, bypassing sensor detection. Ideal for maintenance or constant illumination.

Dimensions

Measuring 43 mm wide and 25 mm deep, this recessed unit fits a 35 mm cutout and requires a minimum ceiling depth of 13 cm.



Installation Notes

Interference Avoidance: Keep away from moving objects (e.g., curtains, plants) and large metal/reflective surfaces.

Device Spacing: Maintain at least 4m between sensors.

Mounting: Install on a stable, vibration-free surface. Ensure no moving objects are behind the wall (signals penetrate non-metals).

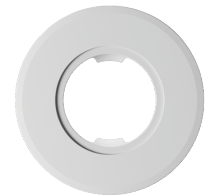
Wiring Safety: Turn off power before wiring. Use certified cables and proper circuit protection.

Disclaimer: Follow wiring diagrams strictly. Manufacturer is not liable for improper installation. Specifications subject to change.

Available Accessories



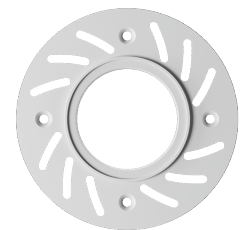
Remote Controller
(60.99.00C1)



Cover Ring
(60.99.0A55)



In-wall Mounting 86 Panel Frame
(60.99.0A86)



Borderless Embedded Parts
(60.99.0A40)

Ordering Information

P/N	Short Name	Model	Remarks
60.99.1111.F21	Mini-PIR-S1+	CTL-SEN-Mini/1111.F21	White (Default)
60.9B.1111.F21	Mini-PIR-S1+/B	CTL-SEN-Mini/1111B.F21	Black
60.99.00C1	RC1	RC1	Accessory
60.99.0A55	Mini-ASSY-55	A55	Accessory
60.99.0A86	Mini-ASSY-86	A86	Accessory
60.99.0A40	Mini-ASSY-BL	A40	Accessory