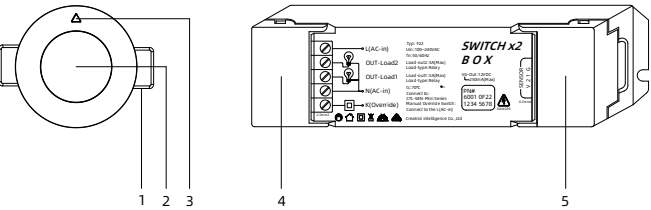


Mini-PIR-S2/20

The CTL-SEN-Mini Curtain Series is a specialized precision motion sensor designed for focused area monitoring. Building on advanced Passive Infrared (PIR) technology, it incorporates a precision optical shield that limits the detection field to a narrow 20° beam. This creates an invisible "electronic curtain," enabling the sensor to detect movement only within a specific slice of space—such as a doorway, window, or narrow corridor—while completely ignoring activity in adjacent areas. It retains the series' signature compact design and integrates a high-precision lux sensor (0–32,000 Lux) for intelligent, energy-efficient control.



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)

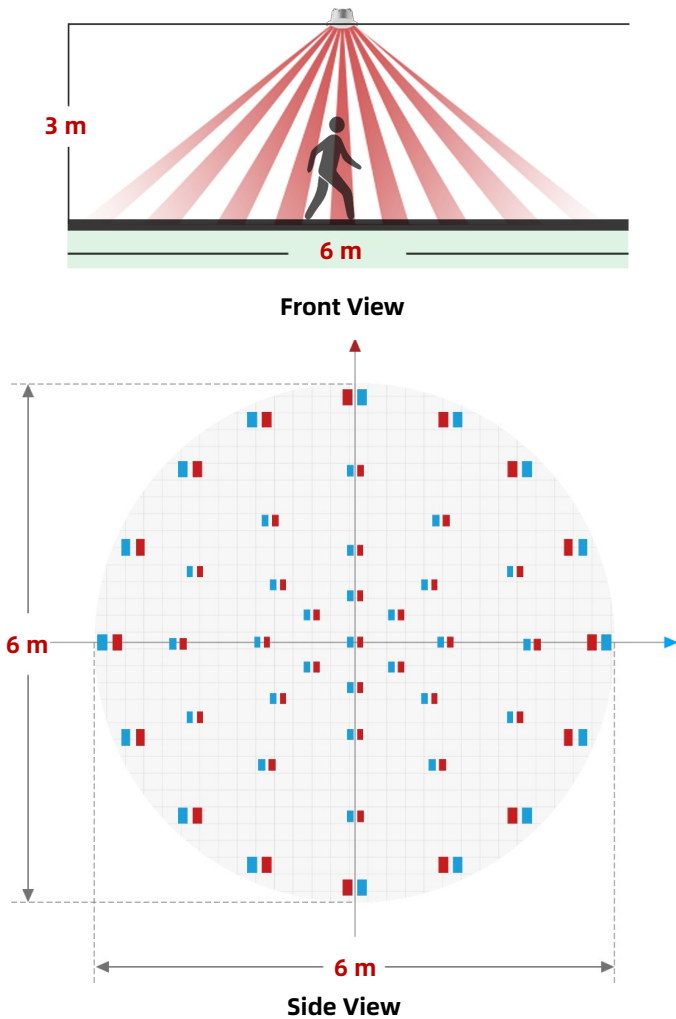
Features

- Equipped with PIR motion detection.
- Integrated high-precision sensor for accurate indoor illuminance monitoring.
- Features 2 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

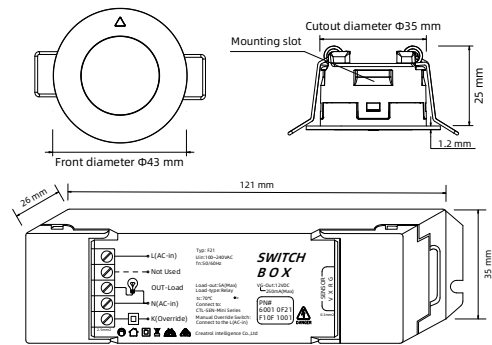
Output Type	Mains Output
BOX Input Voltage	AC 100 to 240 V
BOX Output Voltage	DC 12 V (< 500 mA)
Sensor Input Voltage	DC 12 V
Power Consumption	0.5 W (Max)
Relay Output	Normally Open Mode Normally Closed Mode
Relay Load	AC 100 to 240 V, ≤ 5 A
Indicator Light	LED
Detection Mode	Pyroelectric Infrared Receiver
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



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).

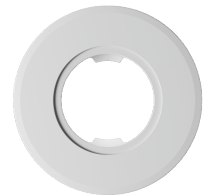
Wiring Safety: Turn off power before wiring. Use certified cables and proper circuit protection.

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

Available Accessories



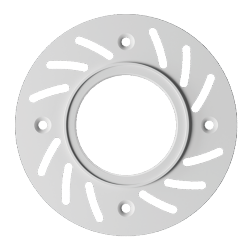
Remote Controller
(60.99.00C1)



Cover Ring
(60.99.0A55)



In-wall Mounting 86 Panel Frame
(60.99.0A86)

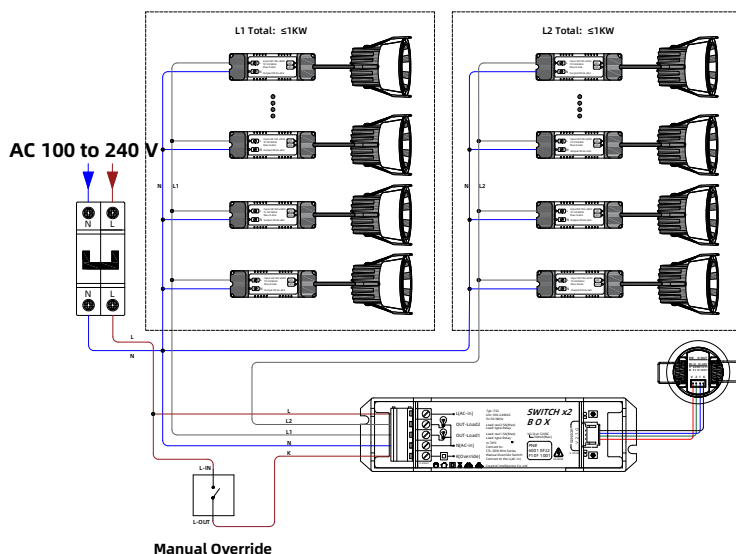


Borderless Embedded Parts
(60.99.0A40)

Ordering Information

P/N	Short Name	Model	Remarks
60.99.1211.F22	Mini-PIR-S2	CTL-SEN-Mini/1211.F22	White (Default)
60.9B.1211.F22	Mini-PIR-S2/20B	CTL-SEN-Mini/1211B.F22	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

Wiring Diagram



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