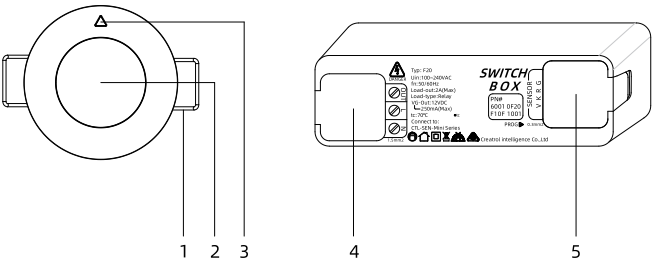


Mini-PIR-S1/20

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)

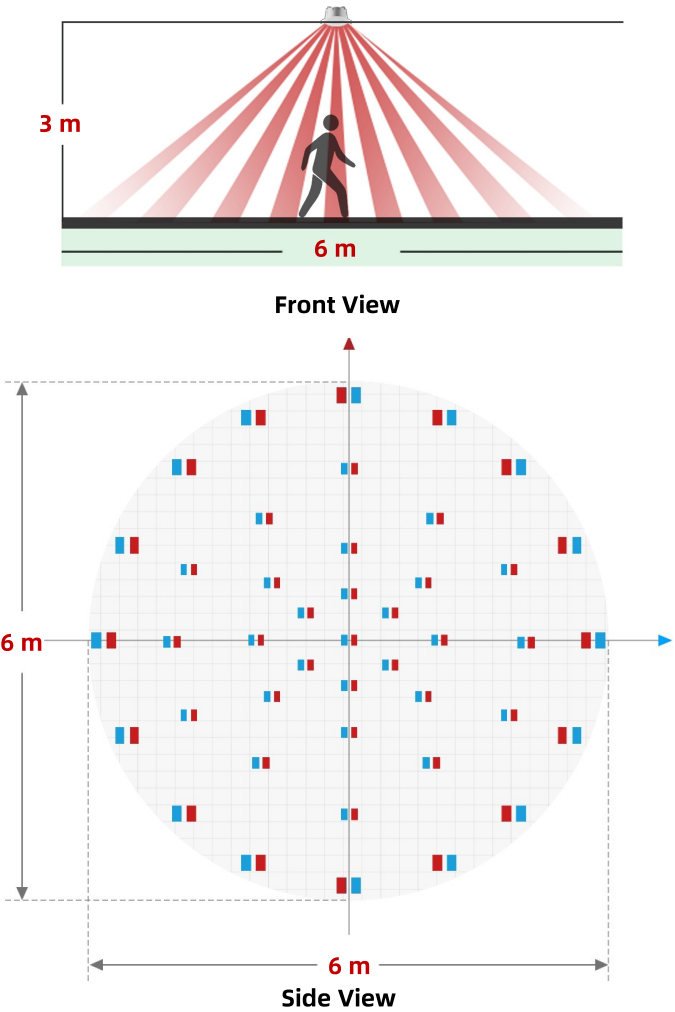
Features

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

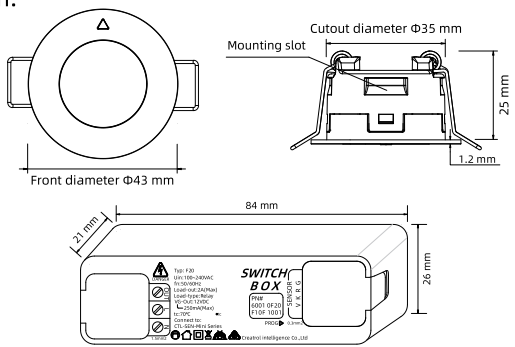
Output Type	Mains Output
BOX Input Voltage	AC 100 to 240 V
BOX Output Voltage	DC 12 V (< 500 mA)
Sensor Input Voltage	DC 12 V
Power Consumption	0.5 W (Max)
Relay Output	Normally Open Mode Normally Closed Mode
Relay Load	AC 100 to 240 V, ≤ 2 A
Indicator Light	LED
Detection Mode	Pyroelectric Infrared Receiver
Installation Method	Recessed Ceiling Mount
Mounting Height	2.0 to 4.0 m
Detection Angle	20°
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	84 mm × 26 mm × 21 mm
BOX Weight	43 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 10 cm.



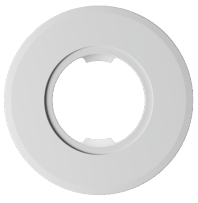
Installation Notes

- Interference Avoidance:** Install away from moving objects (e.g., curtains) and heat sources (e.g., AC vents) to prevent false alarms.
- Mounting & Handling:** Mount on a stable surface. Handle with care to avoid physical damage.
- Wiring Safety:** Disconnect power before wiring. Use certified cables and follow the diagram.
- Disposal:** Dispose of packaging per local regulations.
- Disclaimer:** Follow wiring diagrams strictly. Manufacturer is not liable for improper installation. Specifications subject to change.

Available Accessories



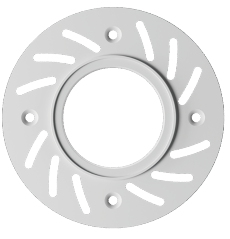
Remote Controller
(60.99.00C1)



Cover Ring
(60.99.0A55)

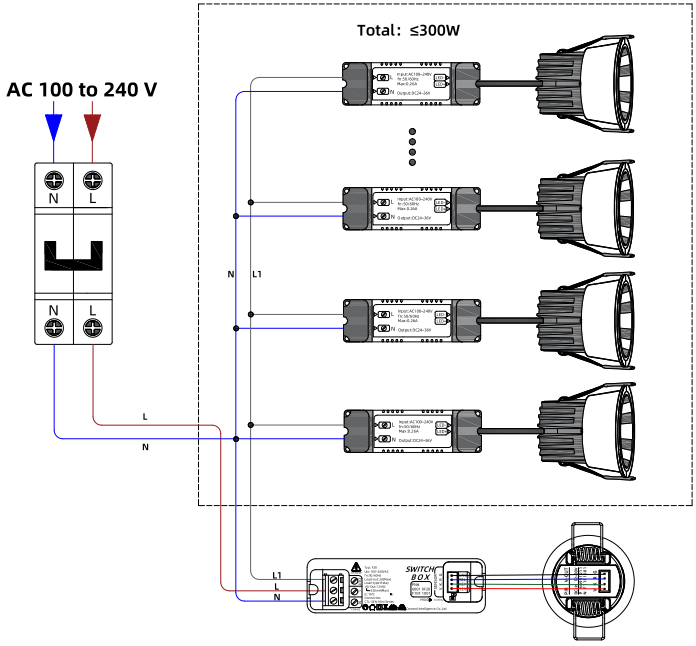


In-wall Mounting 86 Panel Frame
(60.99.0A86)



Borderless Embedded Parts
(60.99.0A40)

Wiring Diagram



Ordering Information

P/N	Short Name	Model	Remarks
60.99.1211.F20	Mini-PIR-S1/20	CTL-SEN-Mini/1211.F20	White (Default)
60.9B.1211.F20	Mini-PIR-S1/20B	CTL-SEN-Mini/1211B.F20	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