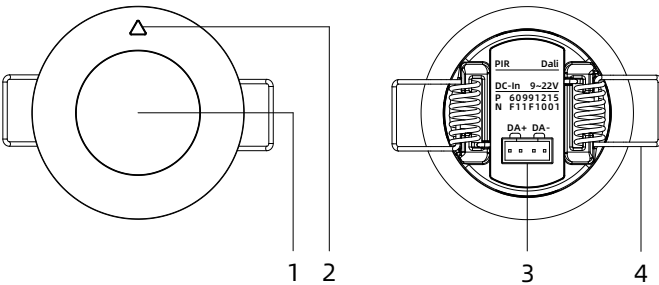


Mini-PIR-DALI/STD/20

The CTL-SEN-Mini/1215 is a professional-grade precision motion sensor utilizing advanced Passive Infrared (PIR) technology. This model features a narrow 20° beam detection range, enabling targeted occupancy monitoring in specific zones—such as doorways, windows, or narrow corridors—while completely ignoring activity in adjacent areas. Supporting the IEC 62386-103 protocol, it offers seamless integration into DALI lighting ecosystems. Designed for discreet architectural installation with a compact $\Phi 35\text{mm}$ cutout, it includes a built-in 0–32,000 Lux sensor for precise daylight harvesting. Configurable via DALI-Config software or IR remote, it provides a high-performance, energy-efficient solution for premium lighting automation.



Interface



1. Fresnel Lens
2. Orientation Marker
3. Connector (DALI communication and power input)
4. Spring Clip

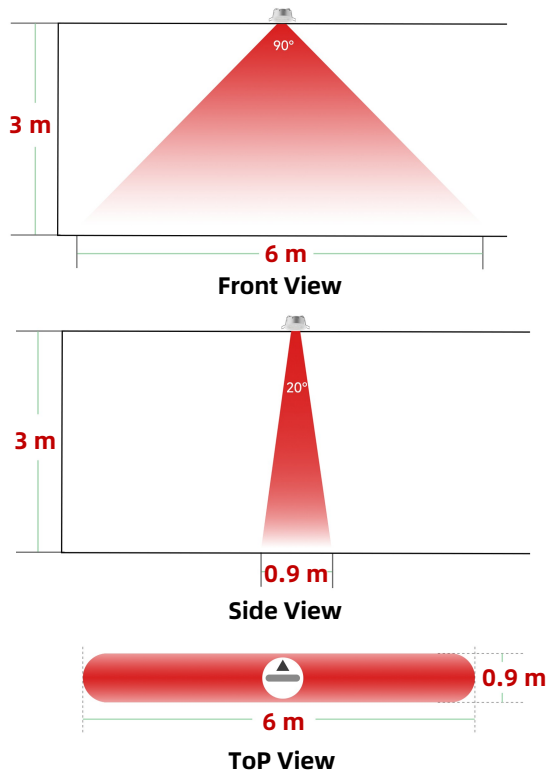
Features

- Equipped with PIR motion detection.
- Integrated high-precision sensor for accurate indoor illuminance monitoring.
- Native support for the IEC 62386-103 protocol for professional lighting control systems.
- Adjustable lighting threshold.
- Supports parameter configuration and status readout via IR remote control.
- Indicator LED brightness automatically adjusts to ambient light levels.

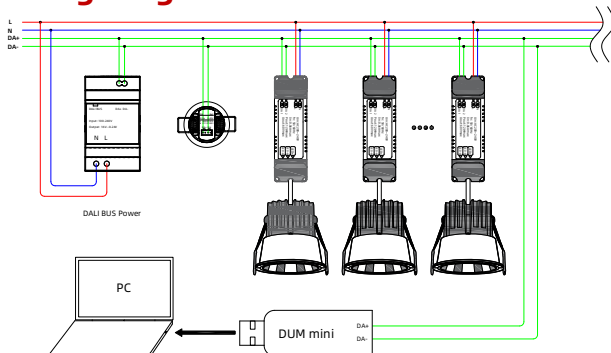
Specifications

Protocol	DALI (IEC 62386-103)
Input Voltage	DC 9 to 22 V (via DALI Bus)
Power Consumption	0.5 W (Max)
Address Range	00 to 63 (Decimal)
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 $\pm 4\%$)
Delay Time	1 to 3,600 seconds
Product Size	$\Phi 43$ mm $\times$ 25 mm
Cutout Size	$\Phi 35$ mm
Product Weight	14.5 g
Cable Assembly	UL1007 22AWG Cable Length: 150 mm
Operating Temperature	Indoor -20 to 45°C
Operating Humidity	< 95% RH (Non-condensing)
Storage Temperature	-40 to 85°C
Protection Level	IP20
Housing Material	PC

Detection Range

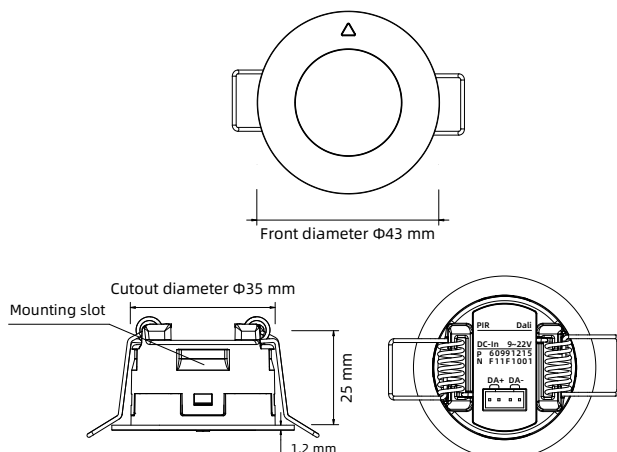


Wiring Diagram



Dimensions

The product features an outer diameter of 43 mm and a depth of 25 mm, requiring a 35 mm cutout. Designed for recessed installation, it is also compatible with optional kits for surface mounting, wall mounting, or external installation via a universal bracket.



Installation Notes

Interference Avoidance: Avoid installing near moving objects (e.g., pets, swinging curtains) or areas with rapid temperature changes (e.g., AC vents, heat sources) to ensure accuracy and prevent false alarms.

Mounting & Handling: Ensure the installation surface is firm and stable to avoid vibration. Handle the device with care during unpacking and installation to prevent physical damage to the shell or circuit board.

Wiring Safety: Disconnect power before wiring. Use certified cables and strictly follow the diagram to ensure proper circuit protection.

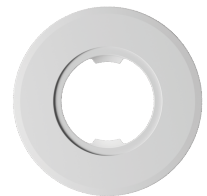
Packaging Disposal: Dispose of packaging materials safely and immediately according to local regulations.

Disclaimer: Product specifications are subject to change without prior notice. Please strictly follow these guidelines; the manufacturer is not liable for performance issues or interference caused by improper installation.

Available Accessories



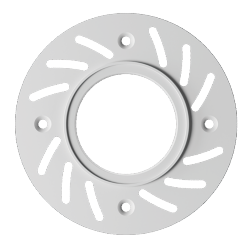
Remote Controller
(60.99.00C1)



Cover Ring
(60.99.0A55)



In-wall Mounting 86 Panel Frame
(60.99.0A86)



Borderless Embedded Parts
(60.99.0A40)



Surface Mounting Socket
(60.99.0A50)



Surface Mounting Universal Bracket
(60.99.A360)

Ordering Information

P/N	Short Name	Model	Remarks
60.99.1215	Mini-PIR-DALI/STD/20	CTL-SEN-Mini/1215	White (Default)
60.9B.1215	Mini-PIR-DALI/STD/20B	CTL-SEN-Mini/1215B	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
60.99.0A50	Mini-ASSY-CYL	A50	Accessory
60.99.A360	Mini-ASSY-360	A360	Accessory