

DALI-2 Fixture-integrated PIR Sensor Controller

SR-DA9035A-PIR



Features

- DALI-2 & D4i certified
- Motion sensor instance type 3 (303)
- Illuminance measurement
- Light sensor instance type 4 (304)
- Autonomous sensor-based control
- Seamlessly working with D4i drivers
- Zhaga book 20 knockout
- Plug & Play

Standard stands

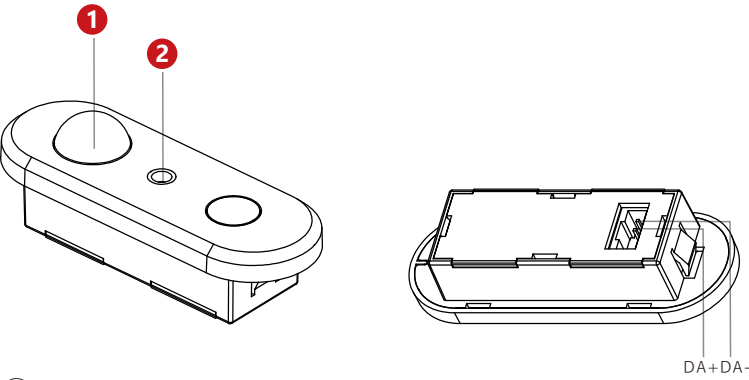
- Easily fit into various luminaires with standard zhaga book 20 interface
- Cost-effective solution for energy savings
- Compatible with universal DALI-2 compliant central control unit that supports sensor input devices



Parameters

Input	Power	DALI BUS
	Signal	DALI-2
DALI BUS Consumption	Current	Max. 30mA
Control	Dimming Curve	Logarithmic
	Dimming Method	PWM
Environment	Operating Temperature	0°C~+45°C
	Relative Humidity	8% to 80%
Others	Size	See dimensions

Product info



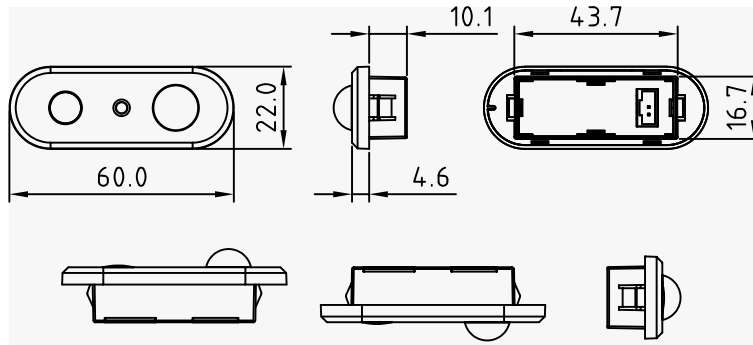
- ① PIR lens
- ② Light sensor: Ambient light detection and daylight harvesting.

Note: DA+: Powered by DALI BUS (+), DA-: Powered by DALI BUS (-)

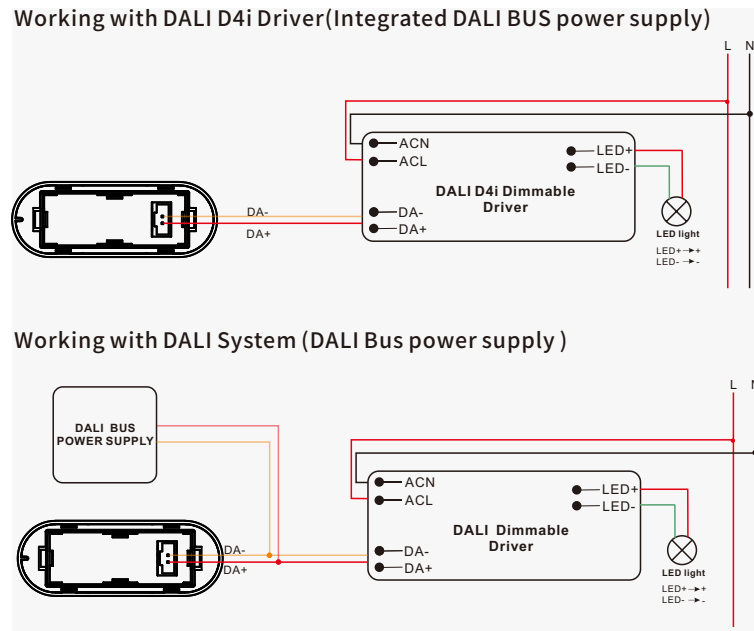
DALI BLE Fixture-integrated PIR Sensor Controller SR-DA9035A-PIR



Dimension



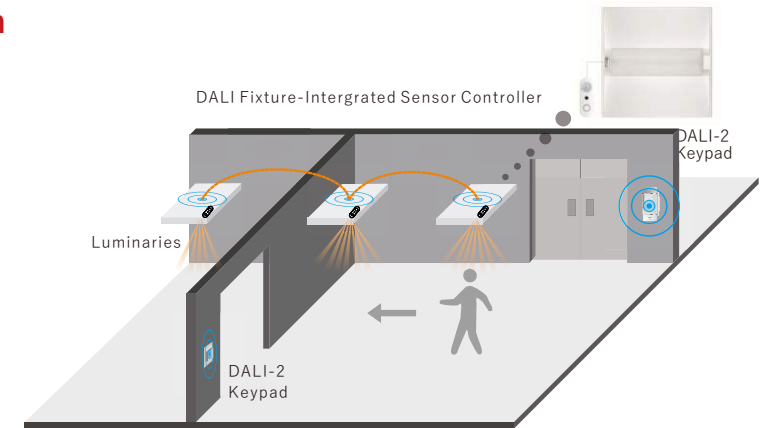
Wiring



Warning

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.

Application



Specification

ENERGY SAVINGS

- Low/High-end trimming
- Daylight harvesting
- Occupancy/Vacancy detection
- Time-of-Day dimming schedule

COMFORT & CONVENIENCE

- Advanced occupancy detections
- Light-level stability
- Configurable dim-and-linger occupancy

SENSING

- Mounting height: 2.5m
- Detection area diameter: 5m @ 2.5m height

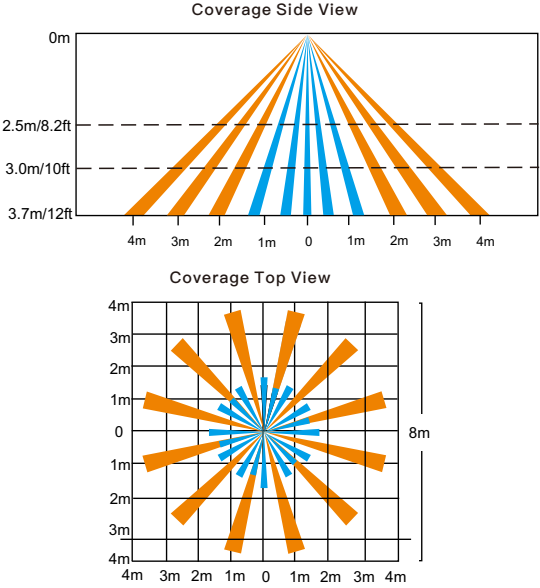
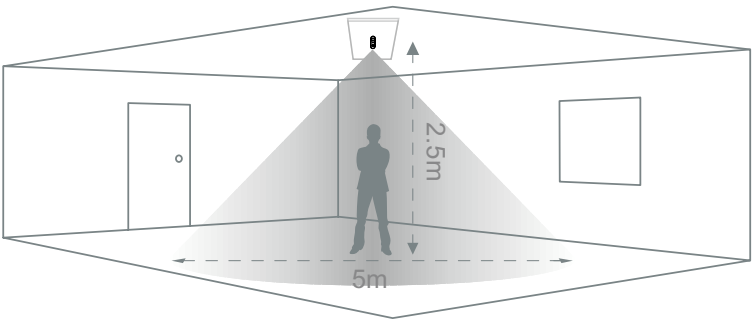
ENVIRONMENT & APPROBATION

- Operating temperature: 0°C to 45°C
- Agency approbations: UL Listed /FCC/ CE/ IC...
- Warranty: 5 years

DALI BLE Fixture-integrated PIR Sensor Controller SR-DA9035A-PIR



Detection Pattern



The detection area for movement can be roughly divided into two parts:

- Slow movement (person moving $< 1.0'/s$ or $0.3m/s$)
- Quick movement (person moving $> 1.3'/s$ or $0.4m/s$)

Installation Precautions

- Avoid areas with frequent temperature changes: Keep away from air conditioners, fans, refrigerators, ovens, and other objects that cause rapid temperature changes. The detection effectiveness of PIR motion sensors is closely related to temperature fluctuations, and vents or heat sources can lead to false alarms.
- Avoid areas with significant air flow.
- Avoid facing glass doors and windows directly: 1) Do not face glass doors and windows directly to avoid interference from strong light. 2) Avoid complex environments outside doors and windows, such as direct sunlight, crowds, and moving vehicles.
- Avoid installing opposite large, constantly moving objects: Large objects with significant motion can cause sudden changes in airflow within the detection area, leading to false alarms. Outdoor PIR motion sensors should not be installed opposite large trees or tall bushes.
- Avoid areas with screens, furniture, large potted plants, or other obstacles within the detection range.
- Avoid areas exposed to direct sunlight.

Update Log

Date	Version	Update Content	Update by
2024-3-18	V1.0	Initial Version	Romeo

Subject to change without notice. Please contact us if you have any questions.