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# DALI BLE Fixture-integrated PIR Sensor Controller

## SR-SV9035A-PIR-D

### Features

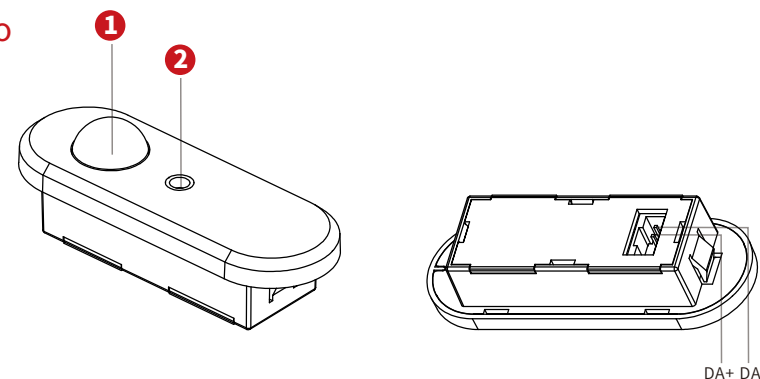
- Bluetooth to DALI signal PIR sensor controller, Bluetooth® mesh network
- Powered by DALI BUS, extremely ease of use with DALI system, especially with D4i driver.
- Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- All devices on DALI line are broadcast controlled by mobile application
- Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDb
- In typical indoor environment, the typical range for wireless communication is 20m to 25m . Actual range is dependent on field installation
- Support sensitivity adjustment, Mesh Network, a better method to deal with false trigger
- Available with Magnetic reset (Touch the top part of sensor for 5 seconds)
- On-board antenna
- Waterproof grade: Ip20
- 5 years warranty



### Parameters

Input	Power	DALI BUS
	Signal	Bluetooth
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 (-)

### Operation

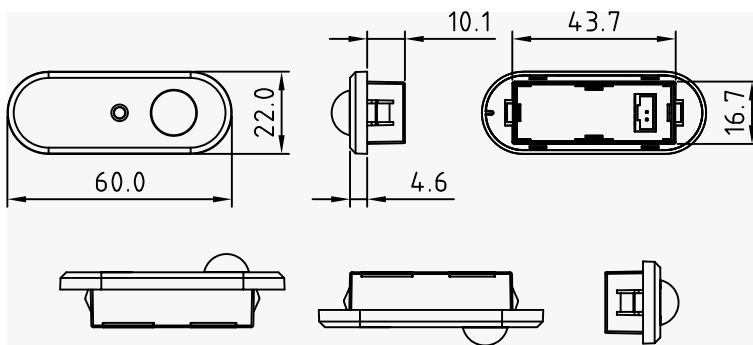
- Do wiring according to connection diagram.
- Kindly refer to “Silvair Commissioning User Manual” for further pairing.
- Available with Magnetic reset (Touch the top part of sensor for 5 seconds).



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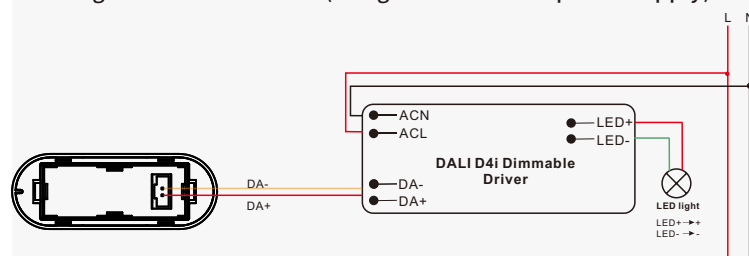
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### Dimension

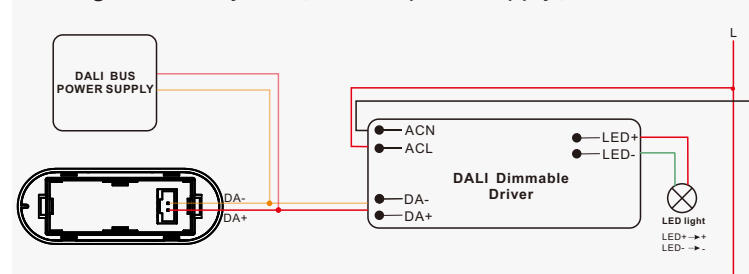


### Wiring

Working with DALI D4i Driver(Integrated DALI BUS power supply)



Working with DALI System (DALI Bus power supply)



### Warning

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

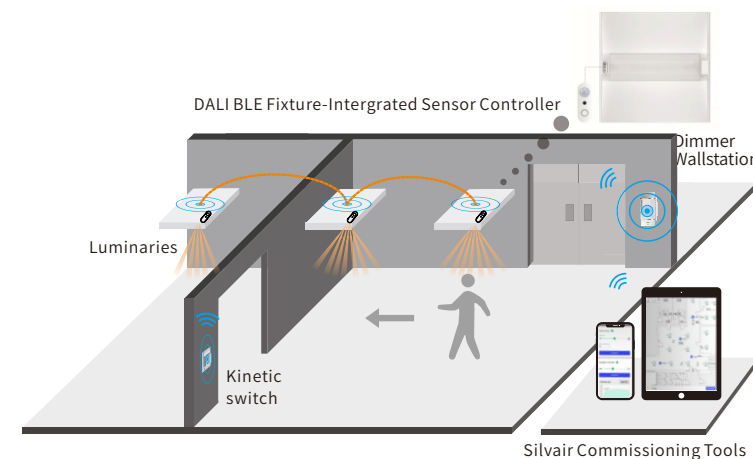
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### Application



### Specification

#### ENERGY SAVINGS

- Low/High-end trimming
- Daylight harvesting
- Occupancy/Vacancy detection
- Auto and advanced demand response programs
- Time-of-Day dimming schedule
- Energy monitoring

#### COMFORT & CONVENIENCE

- Advanced occupancy detections
- Light-level stability
- Configurable dim-and-linger occupancy
- Personalized setting profile
- Work with kinetic switch keypad and dimmer wallstation
- Multi-scenes control

#### SENSING

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

#### ENVIRONMENT & APPROBATION

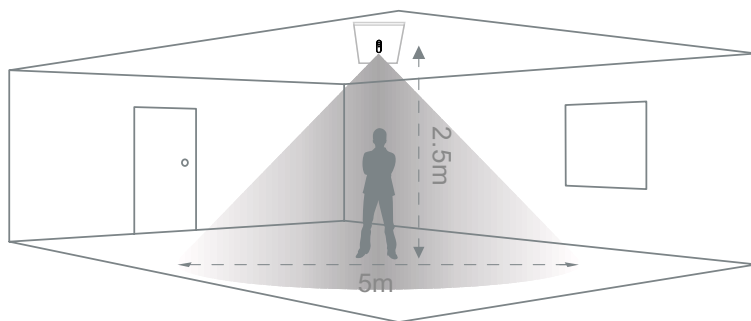
- Operating temperature: 0°C to 45°C
- Agency approbations: UL Listed /FCC/ CE/ IC...
- Warranty: 5 years



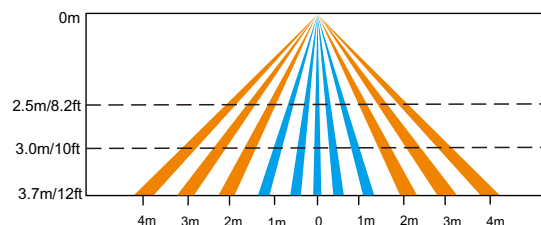
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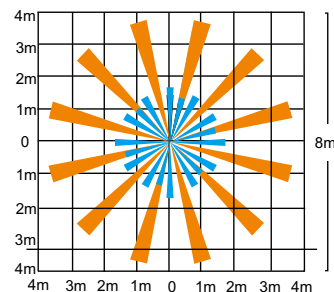
### Detection Pattern





Coverage Side View



Coverage Top View



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  $0.4m/s$ )

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### 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
2023-7-31	V1.1	Initial Version	Romeo



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