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Technology Partner
SILVAIR Work with Silvair

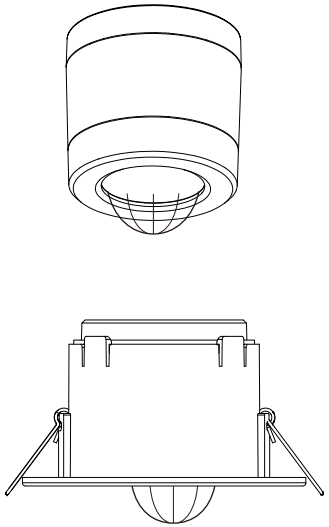
BLE-DALI-2 Ceiling Mounted Sensor (DALI BUS Powered)

SR-SV9030D-PIR-D

*Support the ELT Function (Need to work with DALI EL Driver)

Features

- Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- 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.
- On-board antenna
- 5 years warranty



* With Recessed-Mounted Kit

Parameters

Input & Output Characteristics	
Operating voltage	Powered by DALI BUS
Output	DALI BUS

Environment Parameters	
Operation temperature	Ta: -20 °C ~ +50 °C
IP rating	IP44 (Front-face)

IP44 (With surface mount kit)

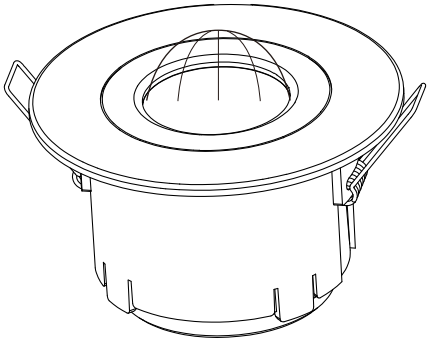
Safety & EMC	
EMC standard (EMC)	EN55015, EN61000, EN61547
Safety standard (LVD)	EN60669-1, EN60669-2-1 AS/NZS60669-1/-2-1
RED	EN300328, EN301489-1/-17
Certication	ENEC, CE , EMC, RED, RCM

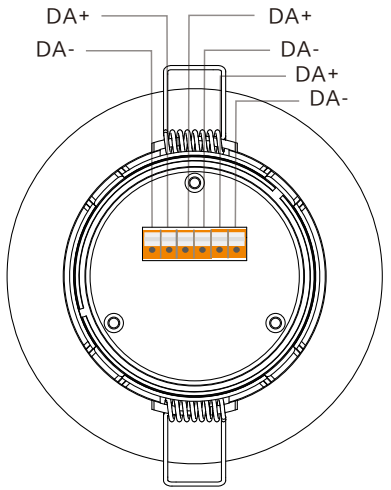
Mechanical Data	
Dimension	ф90*52mm(without surface kit)
Material	Flame-retardant/ABS
Protection Class	Class II

Sensing	
Movement detection	Max.10m @ 3m height
Installation	Max.6m

Connectors	
Terminal block/Wire size	0.5mm² - 1.5mm² solid or stranded
Wire strip length	6-7mm

Product info





Bluetooth CE UKCA RoHS COMPLIANT

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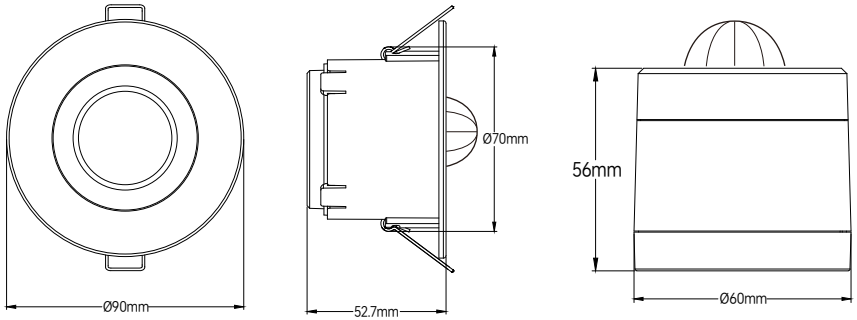
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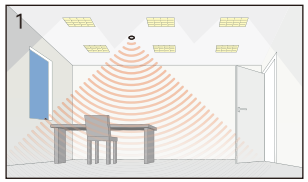
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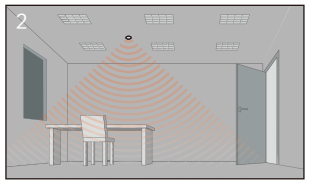
Dimension



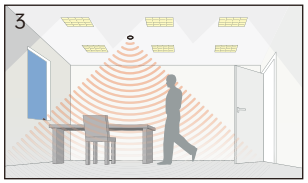
Application



1. Power up the sensor. The load should come on immediately.



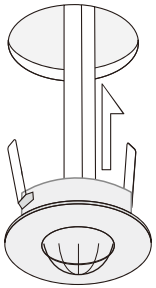
2. Vacate the room or remain very still and wait for the load to switch off .



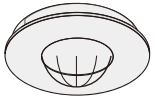
3. Enter the room or make some movement and check that the load switches on.

PRECAUTIONS

- Do not place the SENSOR near heat sources, fans or in ventilated ceiling voids.
- Do not place close to, or positioned such that, any light source points directly into the SENSOR.
- Ensure wires and cables are securely held within the connection terminals.
- Disconnect the SENSOR from the circuit before performing insulation testing of the wiring circuit.

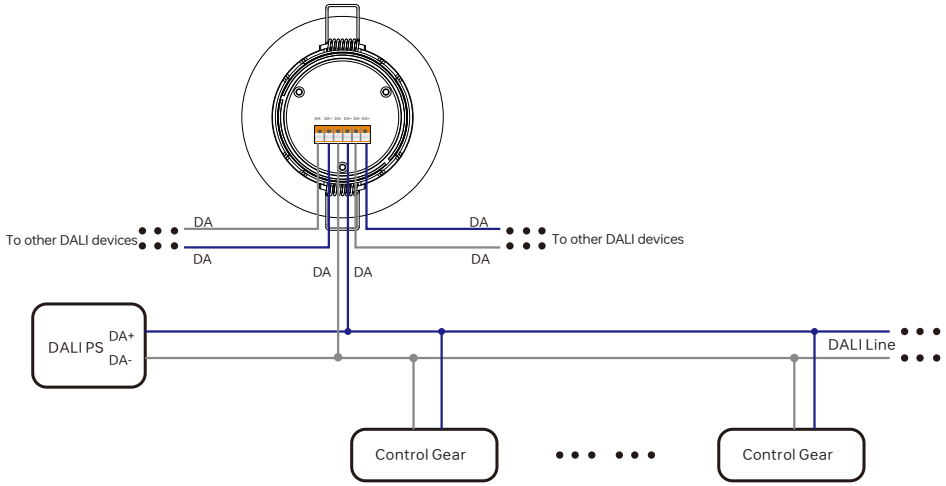


Bend the springs up and push detector through hole in ceiling. When fully inserted the springs snap back to hold the device in place.To avoid injury, take care when bending springs.



Installation complete.

Wiring



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

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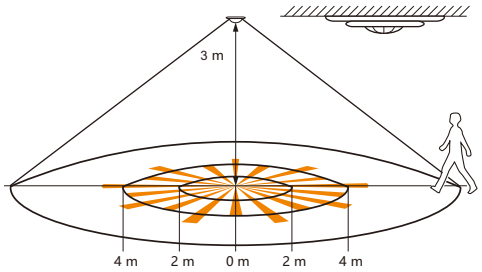
BLE-DALI-2 Ceiling Mounted PIR Sensor(Powered by DALI BUS)

SR-SV9030D-PIR-D

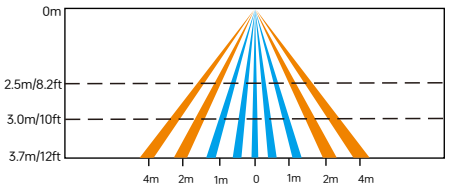
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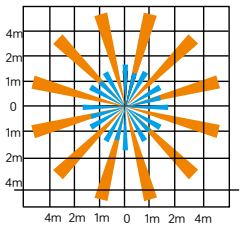
Detection Pattern



Coverage Side View



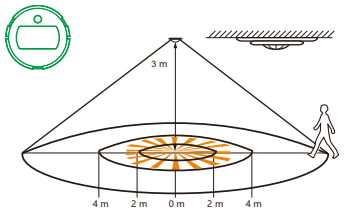
Coverage Top View



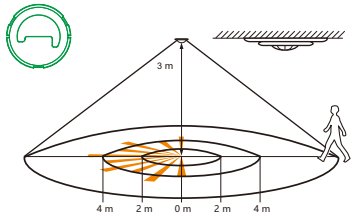
The detection area for movement can be roughly divided into two parts:

Slow movement (person moving < 1.0'/s or 0.3m/s)

Quick movement (person moving > 1.3'/s or 0.4m/s)



With Corridor Lens Mask:
ϕ6-7m at 3m height

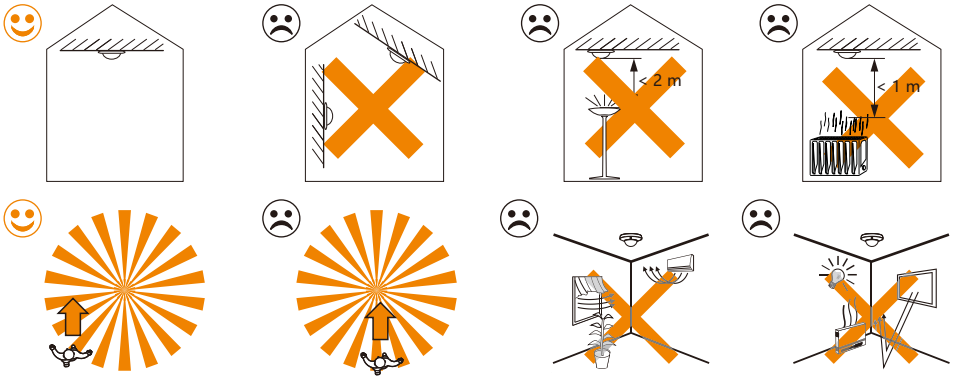


With Semi-Circular Mask:
Half-detection pattern

Warning

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

Place/Detection instruction



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
2025-3-20	V1.1	Detection pattern of lens mask	Romeo

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