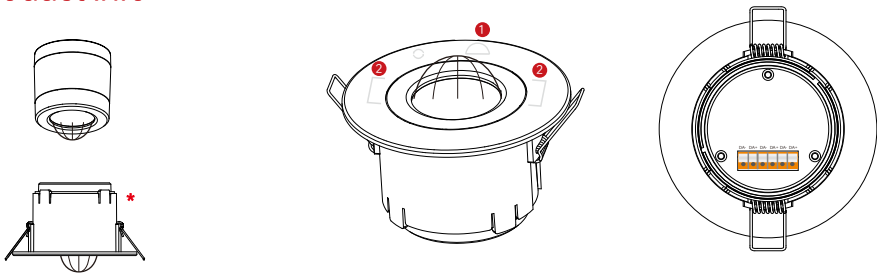


Ceiling Mounted DALI PIR Sensor with Daylight Harvesting

SR-DA9030D-PIR



Product Info



* Recessed-Mounted Kit
(Optional for order. No.301901003701)

1 Semi-circular detection pattern icon
2 Corridor detection pattern

Features

Features

- Low/High-end trimming
- Daylight harvesting
- Motion detection
- Tri-level Dimming
- Motion sensor instance type 3 (303)
- Light sensor instance type 4 (304)
- Autonomous sensor-based control

Benefits

- Energy code compliance
- Cost-effective solution for energy savings
- Compatible with universal DALI-2 compliant central control unit that supports sensor input devices

Typical Applications

- Open office / Individual office/ Conference room/ Classroom/ Retail store / Hospital/ Lobby...

Parameters

Input & Output Characteristics	
Operating voltage	Powered by DALI BUS
DALI Current Draw	Max. 30mA
Mechanical Data	
Dimension	φ90*52mm(without surface kit)
Material	Flame-retardant/ABS
Protection Class	Class II
Connectors	
Terminal block/Wire size	0.5mm ² -1.5mm ² solid or stranded
Wire strip length	6-7mm
Sensing	
Movement Detection	Max. 10m @ 3m height
Installation	Max. 6m
Environment Parameters	
Range	5-2000Lux
Operating 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
Certification	ENEC, CE, EMC, RED, RCM

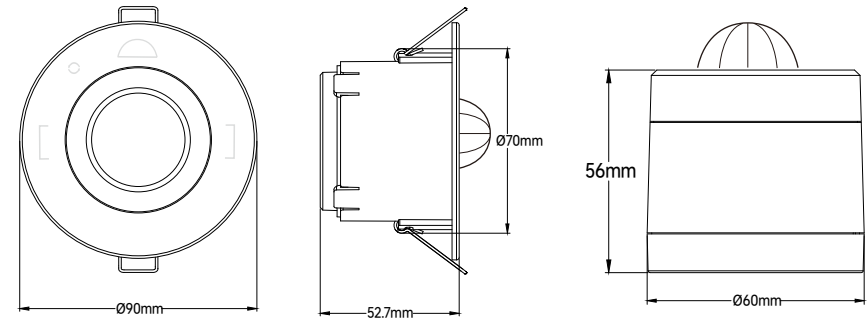
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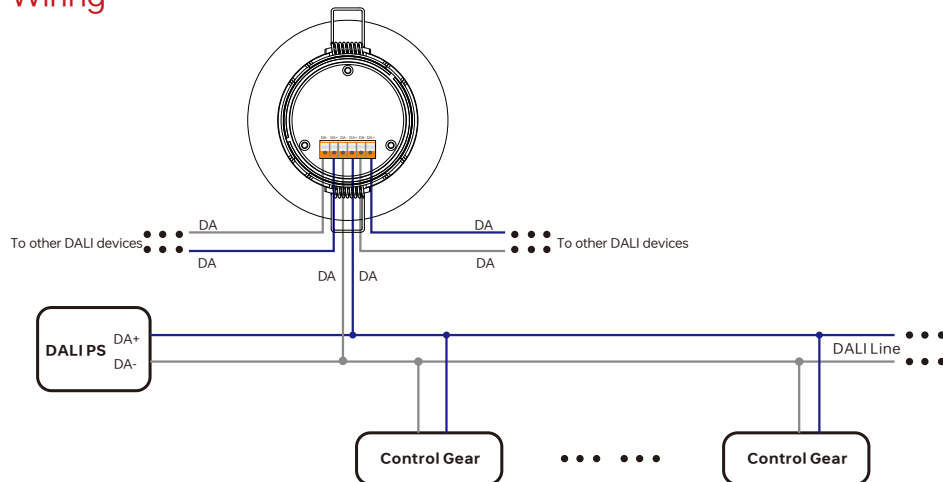
Overall

- The DALI-2 Ceiling mount DALI PIR Recessed Sensor is DALI-2 compliant device which combines motion sensor and light sensor. The device performs motion detection and measures illuminance level.
- The DALI-2 Ceiling Mounted DALI PIR Recessed Sensor can work with Normal DALI-2 drivers(Directly form up a system which no DALI Master required) or integrated to normal DALI System(Using DALI Master to do the configuration).
- The DALI-2 Ceiling mount DALI PIR Recessed Sensor supports 2 instances standardized according to DALI: Motion detector instance (303) for motion detection and Light sensor instance (304) for light measurement. It is designed to be used in conjunction with a DALI-2 compliant central control unit. Each instance can be configured individually.

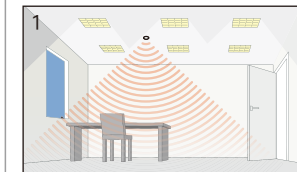
Dimension



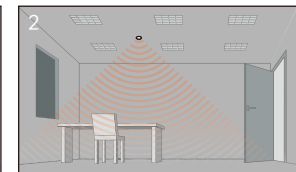
Wiring



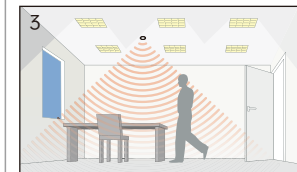
Application



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



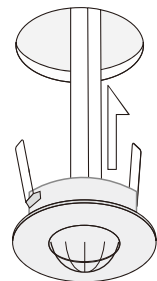
2. Vacate the room or remain very still and wait for the load to switch off .



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.

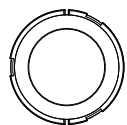


Installation complete.

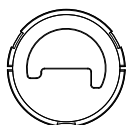
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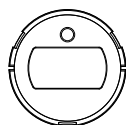
Accessory



No-Block Lens Mask
(Default)

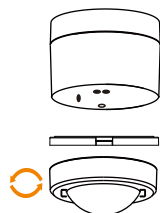


Semi-Circular Lens Mask

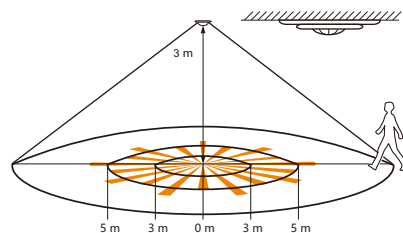


Corridor Lens Mask

1) No-Block Lens Mask



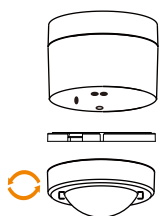
No-Block Lens Mask



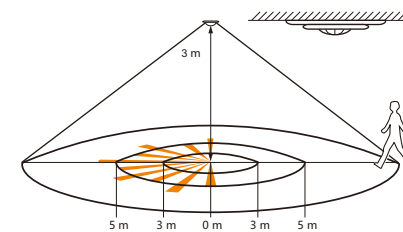
With No-Block Lens Mask: ϕ 8-10m at 3m height

1. Turn the sensor cover counterclockwise and put the **No-Block Lens Mask** in.
(Please ignore it if it is already **No-Block Lens Mask**.)

2) Semi-Circular Lens Mask



Semi-Circular Lens Mask



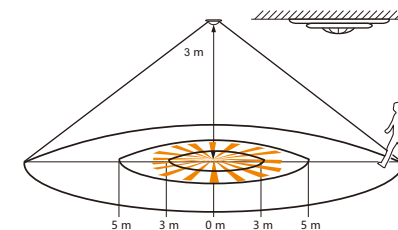
With Semi-Circular Lens Mask: Half-detection pattern

1. Turn the sensor cover counterclockwise and put the **Semi-Circular Lens Mask** in.
(Please ignore it if it is already **Semi-Circular Lens Mask**.)

3) Corridor Lens Mask



Corridor Lens Mask



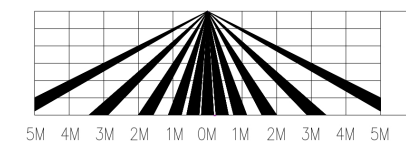
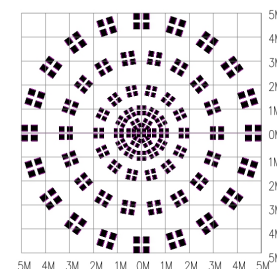
With Corridor Lens Mask: ϕ 6-7m at 3m height

1. Turn the sensor cover counterclockwise and put the **Corridor Lens Mask** in.
(Please ignore it if it is already **Corridor Lens Mask**.)

Detection Range

Note:

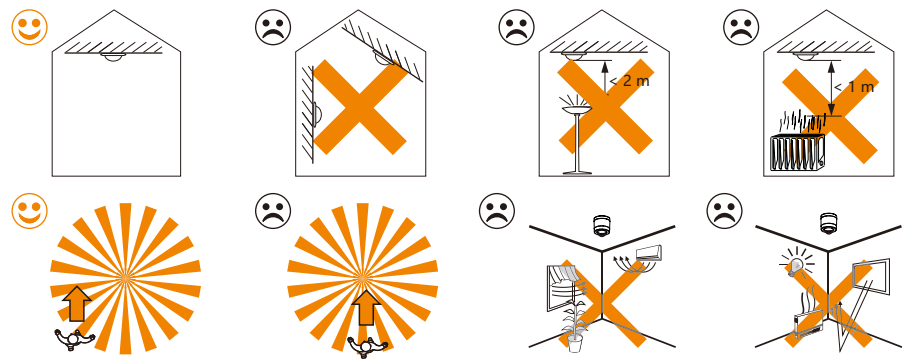
- 1) Following different detection areas are based on different installation heights & patterns.
- 2) Detection Pattern is a relevant value, the performance should depends on the site conditions (installation height/ temperature/ sunlight/ humidity/ Blind area...etc)



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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
2025-8-14	V1.2	Parameter Update	Romeo



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