

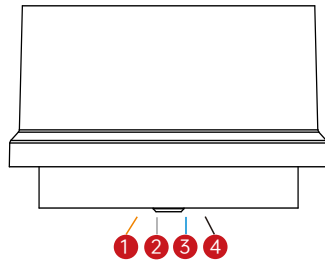
IP65 Occupancy with ZHAGA

Interface Socket

SR-ZG9033A-MW

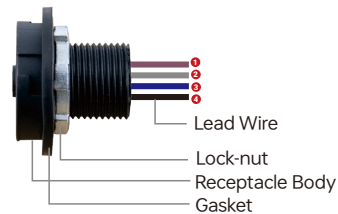


Product Info



Zhaga Receptacle Accessory(optional for order)

- ❶ Port 1 (Brown): Positive (+) pole of the 12/24 power supply
- ❷ Port 2 (Gray): DALI (-) pole for DALI, Negative (-) pole for the 12-24V power supply
- ❸ Port 3 (Blue): DALI(+) pole for DALI
- ❹ Port 4 (Black): No connection



Features

Benefits

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

Key Features

- DALI-2 & D4i certified
- Microwave motion detection
- Illuminance measurement
- Seamlessly working with D4i drivers
- Motion sensor instance type 3 (303)
- Light sensor instance type 4 (304)
- Autonomous sensor-based control
- Zhaga book 18 socket
- Plug & Play
- IP65 rating, can be used for outdoor luminaires

Applications

- Warehouses
- Factories
- Street and Area Lighting
- Outdoor Luminaires - Wall Packs - Parking Lots - Walkways
- Photo Controls
- Central Management System

Product Description

The IP65 multi-sensor is DALI-2 and D4i certified device which combines motion sensor and light sensor. The device performs motion detection and measures illuminance level. The D4i certified multi-sensor can be easily integrated into D4i LED drivers or luminaires seamlessly, and with standard zhaga interface socket, the sensor can easily fit into various luminaires with no tools required. The sensor-equipped luminaires just need to be connected to mains power. The result is increased occupant comfort and significant energy savings that meet the most demanding building energy codes. The sensor is IP65 rating, which enables it to be used for outdoor luminaires.

The multi-sensor is D4i certified and can be powered by an AUX 24V power supply in the D4i driver or D4i luminaires, it can also be powered by an external power supply when using with non-D4i DALI drivers.

Commissioning

The multi-sensor is a DALI-2 certified device as defined in the IEC 62386 (2014) standard and can be integrated into DALI-2 systems of other vendors. It is easily configurable through a DALI-2 compliant central control unit.

The DALI-2 multi-sensor supports 2 instances standardized according to DALI: motion detector instance (303) for motion detection and light sensor instance (304) for light measurement. The multi-sensor is designed to be used in conjunction with a DALI-2 compliant central control unit. Each instance can be configured individually.

Warnings

- DO NOT install with power applied to device.

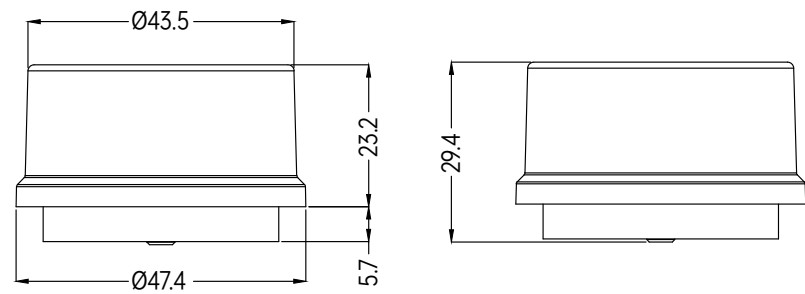
IP65 DALI-2 Multi-Sensor with ZHAGA Interface Socket
SR-DA9033A-MW



Parameters

Physical Dimensions	Dimensions	See dimension
	Knockout	Zhaga book 18
	Thread Length	/
	Receptacle(Accesory)	/
	Gasket Dimensions(Accesory)	/
	Wires (Accesory)	20AWG, 6"(120mm)
Electrical Information	Power Supply	12-24 VDC (D4i Certified)
	Typical DALI Current Draw	Max. 20mA
	Control	DALI-2
	Marking Terminals	V+, GND(DALI-), DA+
	Status Indicators	Green(DALI status), Red(motion detection)
Sensing	Motion Detection (62386-303)	Microwave Sensor
	Detection Sensitivity	0-15 Configurable, 0 is the highest sensitivity
	Light Sensor (62386-304)	Event: 0-1000 Lux (10bit), resolution: 10 Lux
	Mounting Height	Up to 15m, recommended height: 6-12m
	Detection Angle	360°
	Function	Configurable
Environment	Operating Temperature Range	-20°C~50°C / -68°F ~122°F
	Operating Humidity	0-95%(non-condensing)
	Safety Certification	cULus Listed, CE

Dimension



Application



Indoor Low/High-bay Application

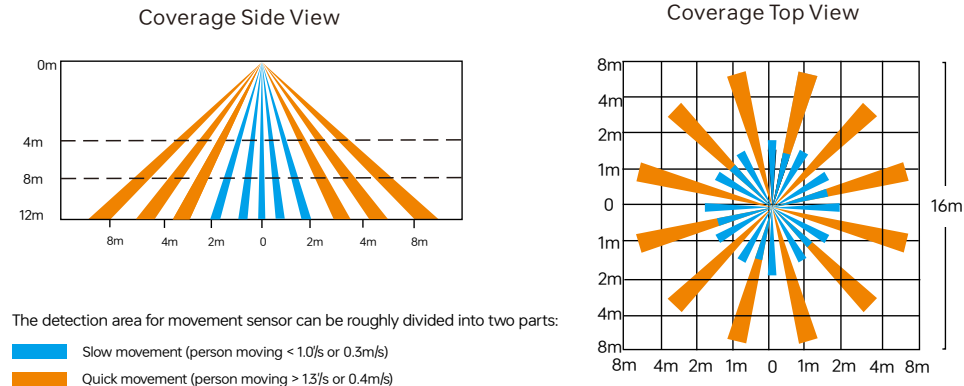


Outdoor Application

IP65 DALI-2 Multi-Sensor with ZHAGA Interface Socket SR-DA9033A-MW



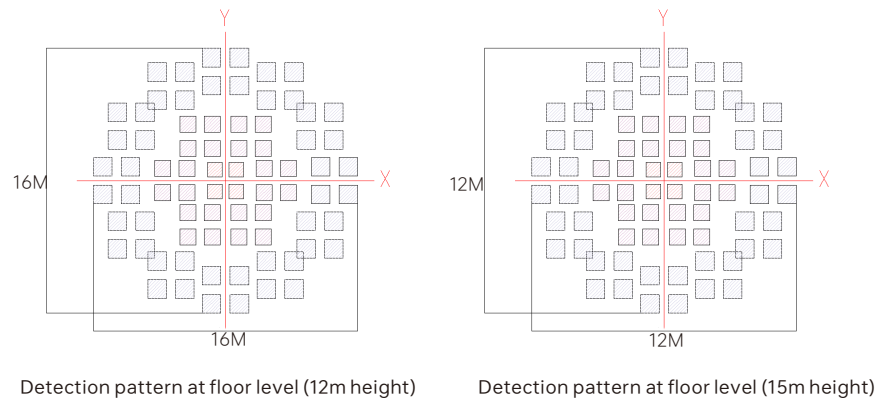
Detection Pattern



Detection Area

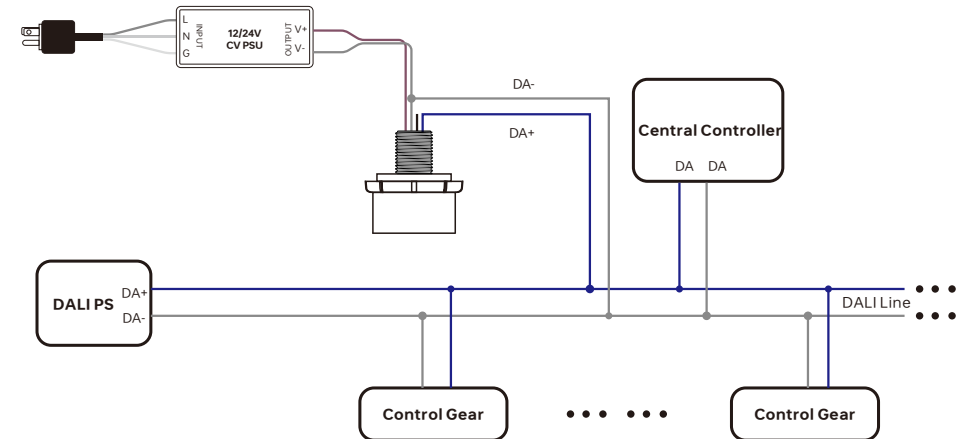
Note:

- 1) Following different detection areas are based on different installation heights & patterns.
- 2) For all detection areas, the sensitivity is set to 0 the highest.
- 3) Detection Pattern is a relevant value, the performance should depends on the site conditions (installation height/ temperature/ humidity/ Blind area...etc)



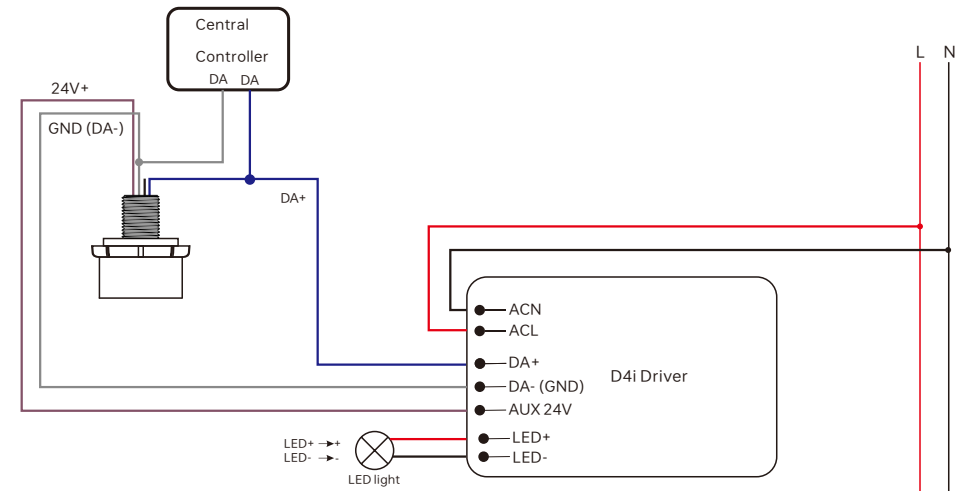
Wiring

1) With Non-D4i DALI Drivers



Note: please make sure the polarity of DALI of the sensor is correctly wired to the DALI PS.

2) With D4i Drivers that Provide DALI PS & AUX 24V Power Supply



IP65 DALI-2 Multi-Sensor with ZHAGA Interface Socket

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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.