# SUNRICHER

Technology Partner
SILVAIR
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IP65 ZHAGA-BOOK 18 BLE 0-10V
Sensor Controller (With Light Sensor)
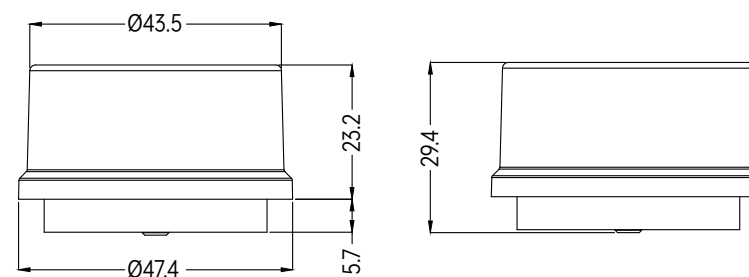## SR-SV9033A-MW-V

Features

- Bluetooth to 0-10V sensor controller , Bluetooth® mesh network
- Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- All devices on 0-10V line are broadcast controlled by mobile application
- Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDB
- Autonomos sensor-based control
- Support sensitivity adjustment, Mesh Network, a better method to deal with false trigger
- ZHAGA Book 18 socket
- Available with Magnetic reset (touch the top part of sensor for 5 seconds)
- On-board antenna
- Waterproof grade: IP65, suitable for outdoor luminaries
- 5 years warranty
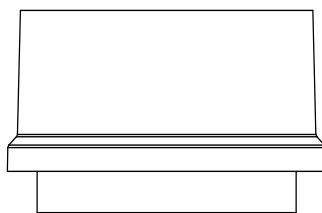
Parameters

|	
Electrical Information	
Power Supply	12-24 VDC
0-10V Signal Output	20mA
Control	0-10V
Marking Terminals	V+,DIM+, GND(DIM-)
Status Indicators	Green(commissioning), Red(motion detection)
Sensing	
Motion Detection	PIR
Daylight Harvesting	YES
Mounting Height	Up to 15m, recommended height: 6-12m
Detection Angle/Range	360° (ceiling)/14-18m(Diameter)
Environment	
Operating Temperature Range	-20℃ to 40℃
Operating Humidity	0-95%(non-condensing)
Safety Certification	cULus Listed, CE

Dimension

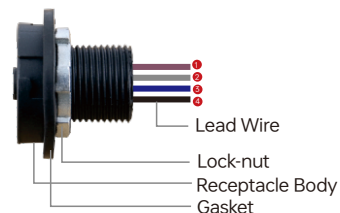# IP65 BLE 0-10V Motion Sensor Controller with ZHAGA Interface Socket

SR-SV9033A-MW-V

Product Info
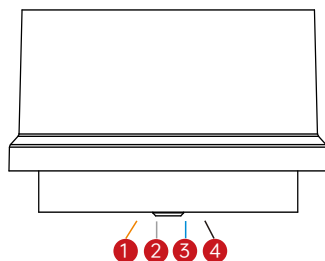
Zhaga Receptacle Accessory(optional for order)

1 Port 1 (Brown): VCC (12-24V)
2 Port 2 (Gray): GND/ Dim- (0-10V signal)

3 Port 3 (Blue): No connection
4 Port 4 (Black): DIM+ (0-10V signal)

Lead Wire
Lock-nut
Receptacle Body
Gasket

Application

Indoor Low/High-bay Application

Outdoor Application

Product Description

- The IP65 motion sensor combines motion sensor and light sensor. The device performs motion detection and measures illuminance level. With standard ZHAGA Book 18 interface socket, the sensor can easily fit into various luminaires with no tools required.
- 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.

System Overview

0-10V Motion Sensor Controller With ZHAGA Interface Socket

Dimmer Wallstation

Luminaries

Kinetic switch

Silvair Commissioning Tools

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).

IP65 ZHAGA-BOOK 18 BLE 0-10V Sensor Controller (With Light Sensor)

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Specification

Energy Savings

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

Profile Configuration

- Occupancy Profile
- Vacancy Profile
- Photocell Profile

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
- Magnetic Reset

Daylight Harvesting

- Note: Due to the light sensor being inside in component and with a semi-transparent enclosure, this component is not precise in lux measurements. Thus this component may not suitable for daylight harvesting usage.
- Please only use the daylight harvesting featured scenario if users conducted field tests and accepts the tolerance level.

Warning

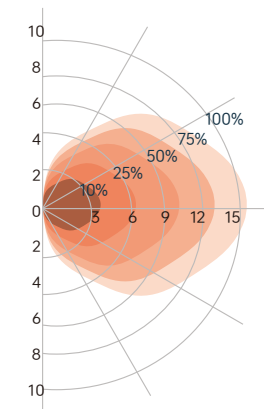- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.
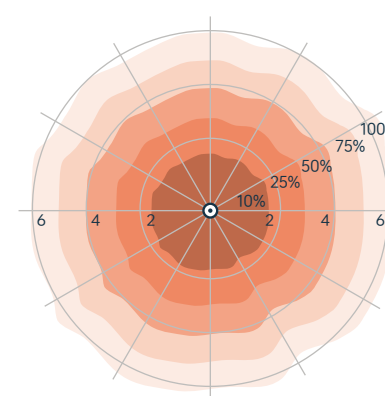
Detection Pattern

Ceiling Pattern (Unit: m)
Installation Height: 12m,max.15m

Wall Pattern (Unit: m)
Horizontal distance: Max. 15m.

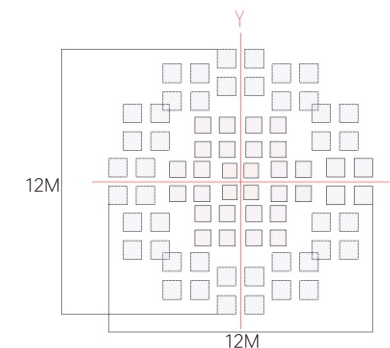## Detection Area

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)

16M
16M
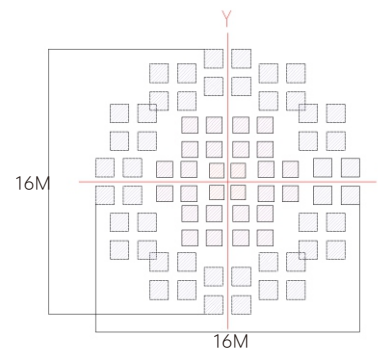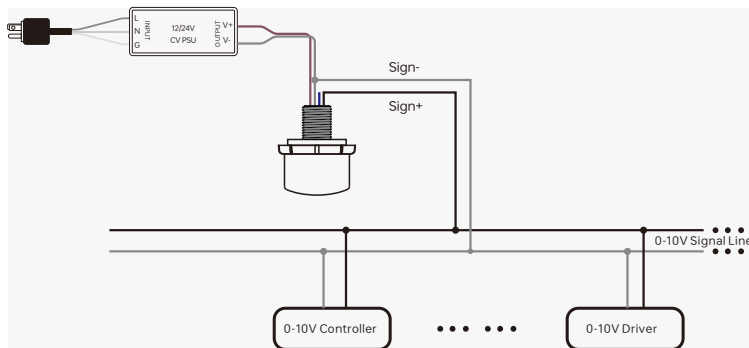
Detection pattern at floor level (12 height)

12M
12M

Detection pattern at floor level (15 height)

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Wiring

Note: please make sure the polarity of 0-10V signal of the sensor is correctly connected.

Installation Precautions

- Avoid areas with a lot of metal or concrete: Ensure the microwave part of the sensor is higher than any metal or shielding material.

- Avoid areas with moving objects: Such as electric fans, exhaust fans, drainage pipes, air conditioner outlets, elevators, pets, and insects.

- Avoid areas prone to vibration or resonance: Such as machinery, places where suspended sensors may vibrate, or areas with significant air convection.

- Avoid areas with materials that are easily penetrated: Microwave signals can pass through some plastic or paper materials, which may lead to false alarms in specific areas. Confirm the sensor's installation location and functional requirements beforehand.

- Avoid wave reflection: Different materials and exterior walls may cause wave reflection, leading to unnecessary false alarms.

Statement

Update Log

Date	Version	Update Content	Update by
2024-05-22	V2.1	Parameter Updates	Romeo

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