

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

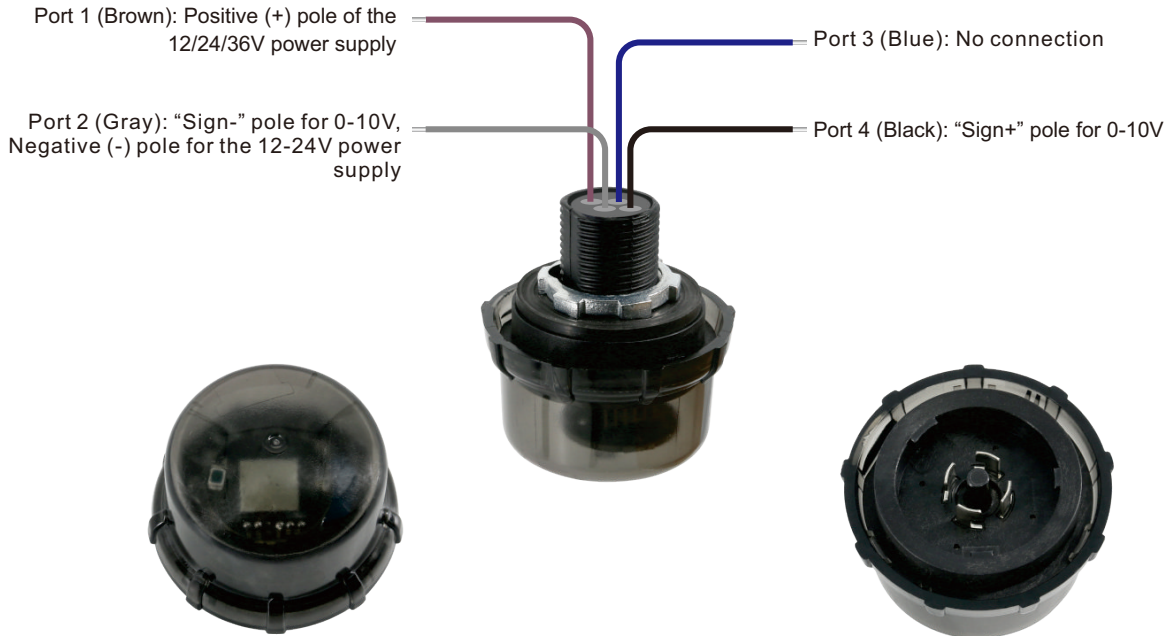


## Product Datasheet

Please read all instructions before installation



## Product info



## Parameters

### Physical Information

Dimensions	Sensor head: D50mm*H35mm, Receptacle: D30mm
Mounting	M 20X1.5 thread
Thread length	18.5 mm
Receptacle	D30mm
Gasket Dimensions	D36.5mm
Wires	AWM1015, 20AWG, 6"(120 mm)

### Electrical Information

Power Supply	12-24 VDC
0-10V Signal Output	20mA
Control	0-10V
Marking Terminals	V+, GND (Sign-), NC, Sign+
Status Indicators	Red (Commissioning ), Red (motion detection)

### Sensing

Motion Detection	Microwave sensor
Microwave High Frequency	5.8 GHz $\pm$ 75 MHz ISM band
Mounting Height	2.5m;
Detection Angle/Range	360° (ceiling)/ 10m(Diameter)

### Environment

Operating Temperature Range	-40°F to 104°F / -40°C to 70°C
Operating Humidity	0-95% (non condensing)
Safety Certification	cULus Listed, CE

## 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.

## 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
- 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

## Application

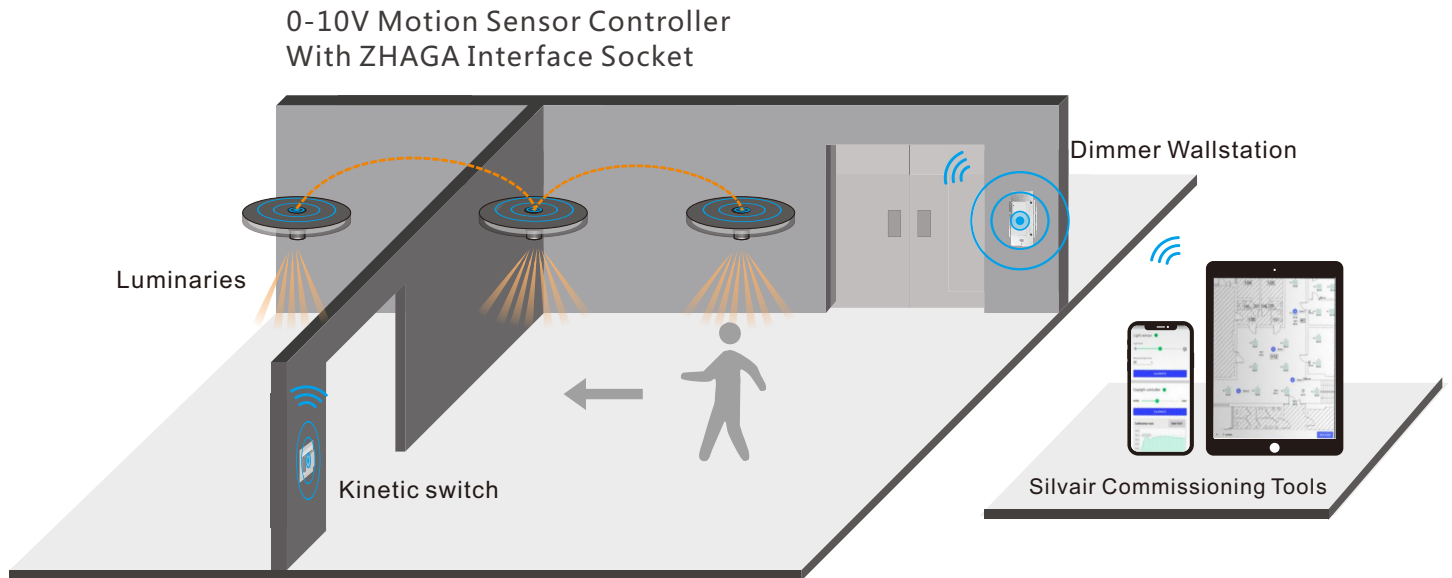


Indoor Low/High-bay Application



Outdoor Application

## System overview



## Specifications

### 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

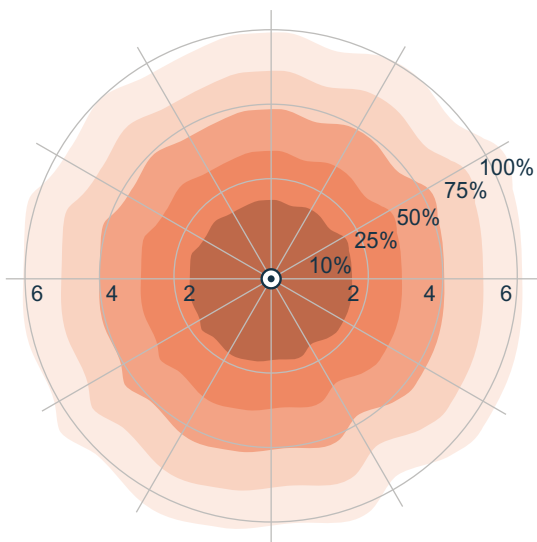
- Advanced occupancy detections
- Light-level stability
- Configurable dim-and-linger occupancy
- Personalized setting profile
- Work with kinetic switch keypad and dimmer wallstation
- Multi-scenes control
- Magnetic Reset

### DAYLIGHT HARVESTING

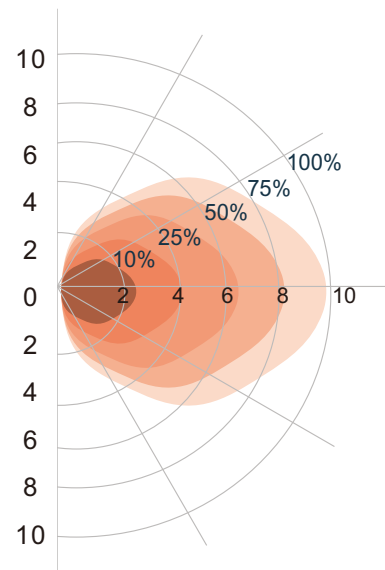
• Note: Due to the light sensor being inside in component and with a semi-transparent enclosure, this component is not precise in lux measurements. Thus this component may not be suitable for daylight harvesting usage.

Please only use the daylight harvesting featured scenario if users conducted field tests and accepts the tolerance level.

## Detection Pattern



Ceiling Pattern (Unit: m)  
Installation Height: 2-8m, max. 10m



Wall Pattern (Unit: m)

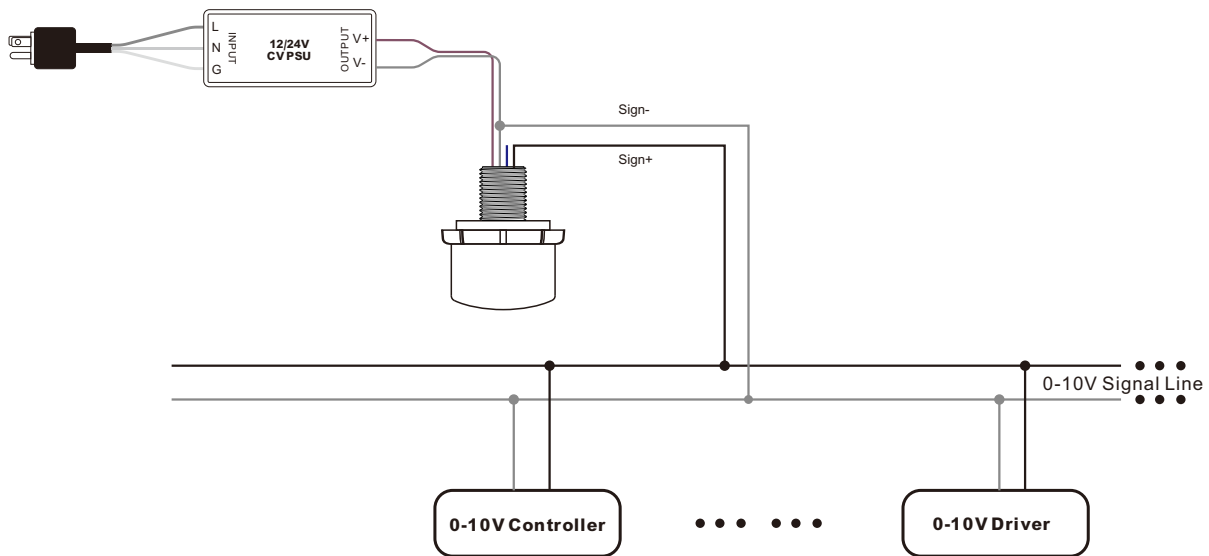
## Warning

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

## 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)

## Wiring



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