

IP65 BLE 0-10V Controller with ZHAGA Interface Socket

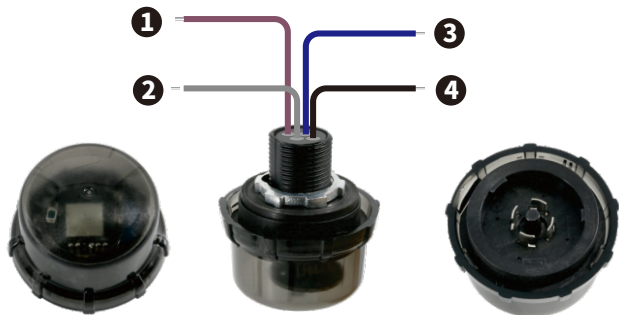
Important: Read All Instructions Prior to Installation



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
- ZHAGA Book 18 socket
- Support sensitivity adjustment, Mesh Network, a better method to deal with false trigger
- 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

Product info



- ① Port 1 (Brown): Positive (+) pole of the 12-24V power supply
- ② Port 2 (Gray): “Sign-” pole for 0-10V, Negative (-) pole for the 12-24V power supply
- ③ Port 3 (Blue): No connection
- ④ Port 4 (Black): “Sign+” pole for 0-10V

Parameters

Physical Information	
Dimensions	Sensor head: D50mm*H35mm, Receptacle: D30mm
Mounting	M 20x1.5 thread
Thread Length	18.5mm
Receptacle	D30mm
Gasket Dimensions	D36.5mm
Wires	AWM1015, 20AWG, 6”(120mm)
Electrical Information	
Power Supply	12-24 VDC
0-10V Signal Output	20mA
Control	0-10V
Marking Terminals	V+, GND(Sign-), NC, Sign+
Status Indicators	Green(motion detection)
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

Warning DO NOT install with power applied to device.

Product Description

- The IP65 BLE to 0-10V controller built-in with standard ZHAGA Book 18 interface/socket, can easily fit into various luminaires with no tools required.
- IP65 rating, enables it to be used both for indoor and outdoor applications.

Specification

Energy Savings

- Low/High-end trimming
 - Auto and advanced demand response programs
 - Time-of-Day dimming schedule
 - Energy monitoring*
- *: Gateway required

Profile Configuration

- Manual Control Profile
- Multiple Scenes Profile

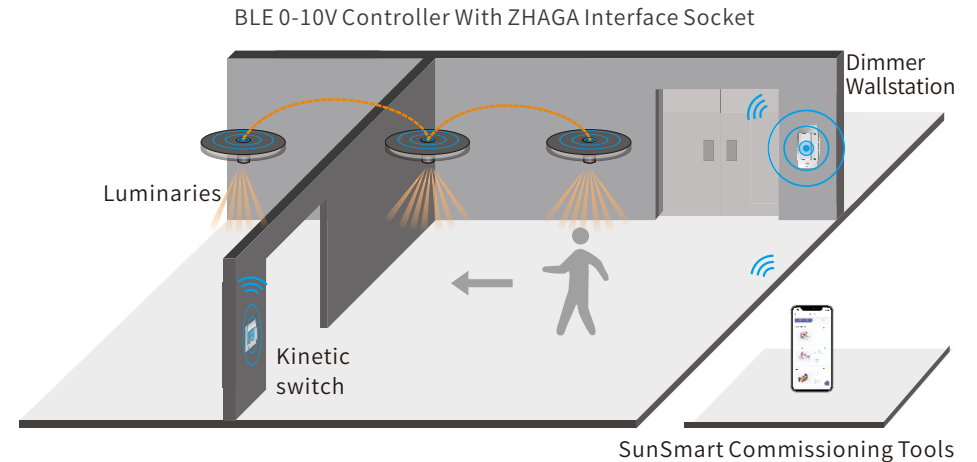
Comfort & Convenience

- Light-level stability
- Personalized setting profile
- Work with kinetic switch keypad and dimmer
- Multi-scenes control
- Magnetic Reset

Operation

- Do wiring according to connection diagram.
- Kindly refer to “SunSmart Commissioning User Manual” for further pairing.
- Available with Magnetic reset(Touch the top part of sensor for 5 seconds).

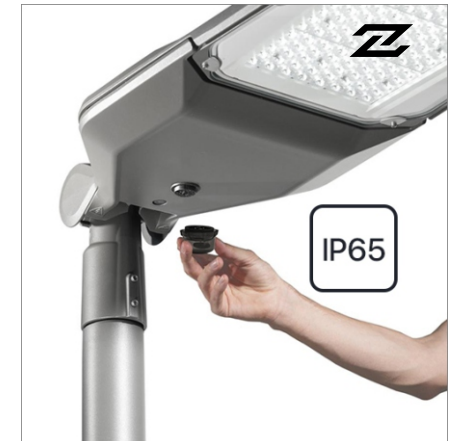
System Overview



Application

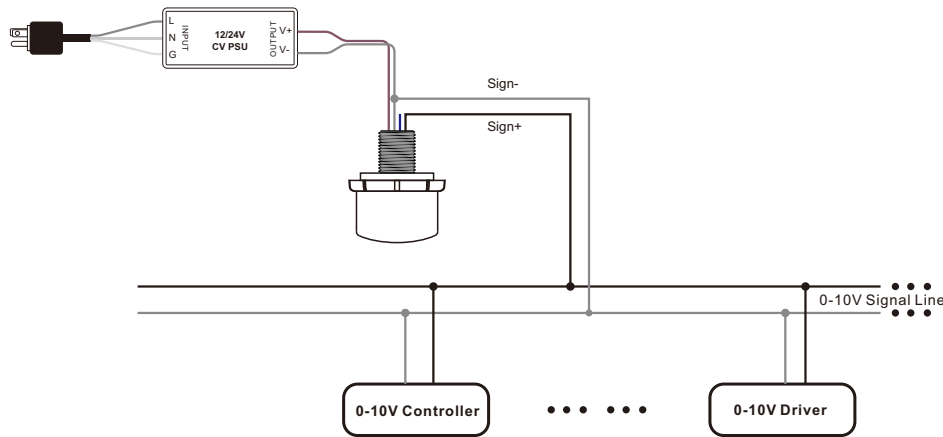


Indoor Low/High-bay
Application



Outdoor Application

Wiring



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

Statement

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment offand on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
 - (2) this device must accept any interference received, including interference that may cause undesired operation.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IC STATEMENT

This device complies with Industry Canada’s licence-exempt RSSs. Operation is subject to the following two conditions:
(1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Update Log

Date	Version	Update Content	Update by
2025-1-7	V1.0	Initial release	Jesse

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