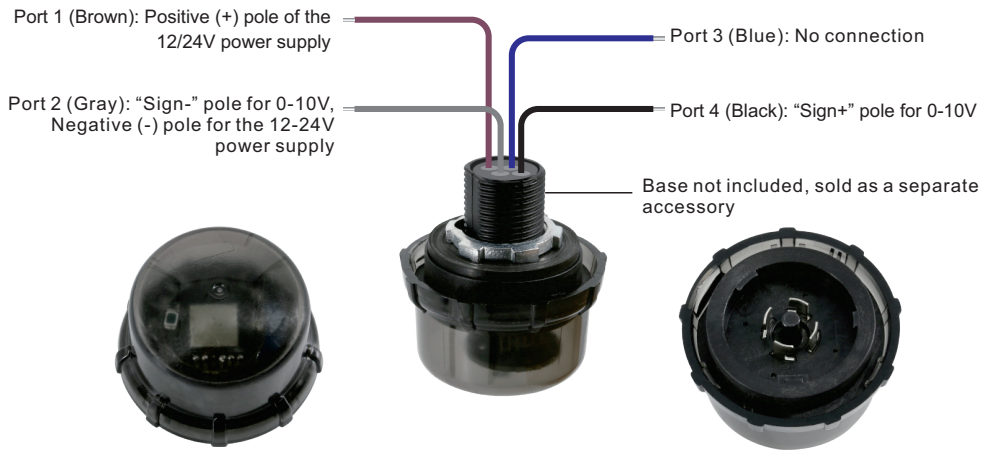
Casambi Wireless Microwave Sensor + Light Sensor + 0-10V Dimming with ZHAGA Socket

Important: *Read All Instructions Prior to Installation*

Function introduction



Product Description

The IP65 motion sensor combines the motion sensor and light sensor. The device performs motion detection and measures illuminance level. With the 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 rated, which enables it to be used for outdoor luminaires.

Casambi Technology Explained

The Casambi technology provides a mesh network where all the intelligence of the system is replicated in every node and, in such a way, creates a system with no single point of failure. In this kind of fully distributed architecture, any unit can go offline and catch up from others when they return back online.

Wireless Features

• Control a large number of fixtures from any point
• Simple to use UI
• Wide range of functionality – Grouping Luminaires, different lighting situations for different occasions, colour temperature, daylight sensor, occupancy sensor and much more.

Product Data

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)

Wireless Communication

Transceiver Frequency	2.4GHz ISM band
Radio Range	269 feet (82m) in open field
Radio Certification	FCC/IC, CE

Lighting Control

Features	Continuous dimming , Individual/group addressing, Scene control, Task tuning (0-100%) Autonomous sensor-based control, Scheduler control

Sensing

Motion Detection	Microwave sensor
Microwave High Frequency	5.8 GHz ±75 MHz ISM band
Lux Detection Range	0-1000 Lux
Mounting Height	2.5m
Detection Angle/Range	360° (ceiling)/ 10m(Diameter)

Environment

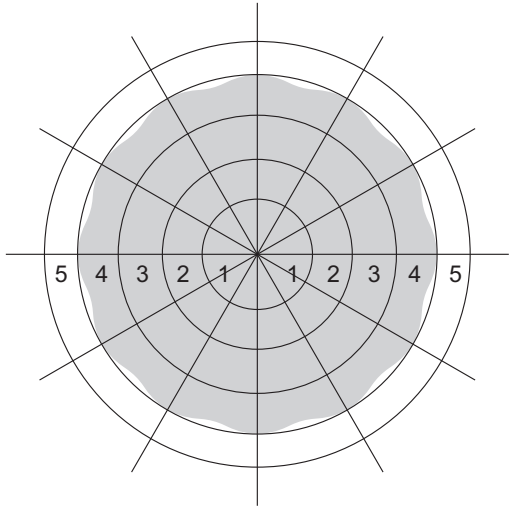
Operating Temperature Range	-40˚F to 104˚F / -40˚C to 70˚C
Operating Humidity	0-95% (non condensing)
Safety Certification	cULus Listed, CE

Key Features
• Microwave motion detection
• Daylight harvesting
• Plug & Play
• ZHAGA Book 18 socket
• IP65 rating, suitable for outdoor luminaires
• Autonomous sensor-based control

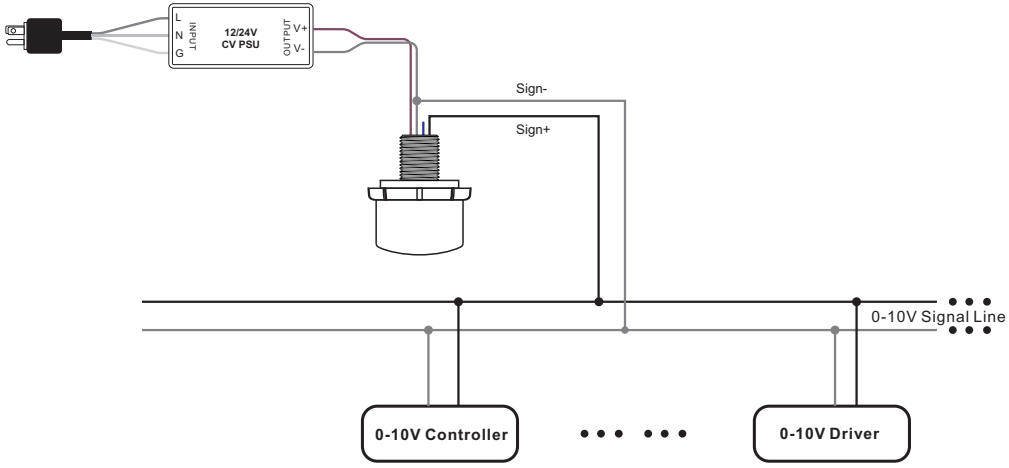
Benefits
• Cost-effective solution for energy savings
• Energy code compliance
• Robust mesh network

Applications
• Warehouses
• Factories
• Street and Area Lighting
• Outdoor Luminaires - Wall Packs, Parking Lots, Walkways

Ceiling Pattern (Unit: m) Installation Height: 2.5m



Wiring Diagram



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