

# Z10 Mircrowave Smart Sensor (Silvair)

Overview

- Bluetooth® Mesh
- 0-100 fc Range
- High tsensitivity Mircrowave sensor
- DC 12V Power supply
- Tunable white, dual-channel
- Zoning, Continuous, Dimming ,Timmer Group control, Scene control, single light control
- Conforms with DLC NLC5 Cybersecurity Standards



Applications

Silvair’s Bluetooth sensor provides automatic lightingcontrol for a variety of indoor & outdoor applications. It can be mounted on any flat surface such as ceiling fixture.

Typical applications include classrooms,private offices. conference rooms, lobbies corridors and any indoor & outdoor areas.

Alternatively , the sensor can operate with a driver that has an auxiliary output (12V).

**Silvair Mesh Controls:** Qualified by Bluetooth for its Bluetooth Mesh 1.0.1 specification, the sensor connects to a Bluetooth mesh network and is accessed via the Silvair web portal or mobile app for configuration as well as subsequent parameter adjustments

**User Interface:** Using the mobile app, end users can then program length of delay time/wait time (this delay prevents the system from adjusting levels as a cloud passes by or another short environmental change happens), ramp and fade time, and other settings using these commissioning tools.

**Dimming:** The Bluetooth sensor transmits to a Silvair Fixture to sensor control LED drivers.

See Silvair Commissioning User Manual for more information.



Summary

Model:TL-SA-BMVN-DN-12-02  
Input Voltage | Current Consumption:  
DC12V | 150mA max  
Mounting: Ceiling  
Mounting Height: 50 Ft nominal

Measuring Range: 0-100 fc (0-1076 Lux)

Max Bluetooth Range<sup>1</sup>  
165ft (50m)

Operating Temperature:  
-20°C to 55°C

Storage Temperature:  
-40°C to 80°C

Relative Humidity:  
90-95% non-condensing at 30°C

Color: White

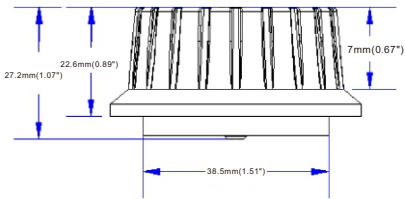
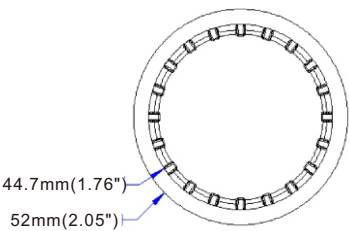
Warranty: 5 years

Note:  
1. Bluetooth Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

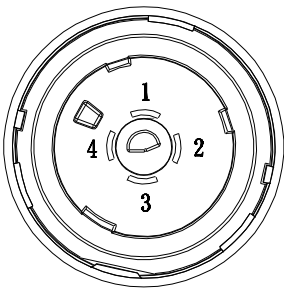
Project	
Location/Type	

# Size

Bluetooth module



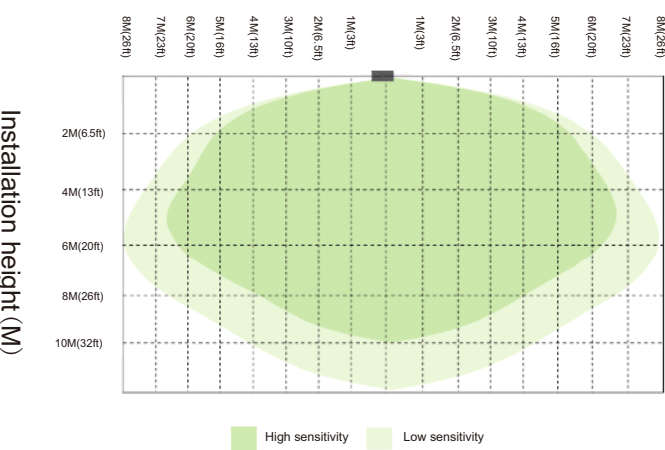
# Wiring



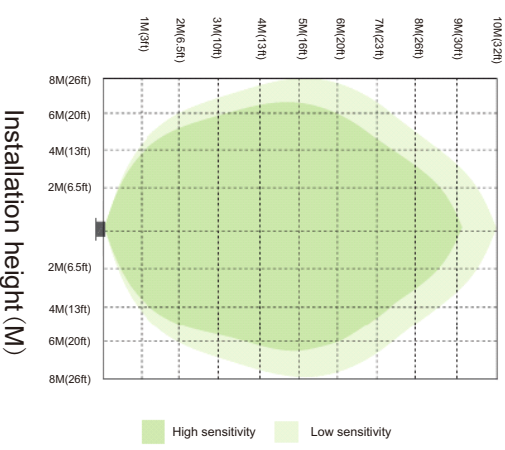
PIN1: 12V  
PIN2: GND/DIM-  
PIN3: NC  
PIN4: DIM+

# Sensor detection angle

Contest installation detection range map



Wall installation detection range map



# Wiring circuit diagram

