

Single Channel Module w/ Integral Relay

PSC-WCM-450-BLE-CB

Product Description

Combine wireless keypad control of switched and dimmed lighting from a single device. This room controller communicates over the Casambi Bluetooth mesh to provide reliable room-level control while supporting connected sensors and other low-voltage devices.

Technical Data

Control Protocol: 0-10V

Load Capacity / Voltage: 120-277VAC • 16A (Elec. Ballast/LED/CFL) • 20A (Resistive)

Relay Output Rating: 16A (Elec. Ballast/LED/CFL) • 20A (Resistive)

Input Voltage Range: 120-277VAC

Max Mains Current: 100 mA

Input Frequency: 50/60 Hz

Additional Input / Output: 12VDC Aux Power Output (200 mA ≤200VAC input; 300 mA >200VAC input) • Sensor Control Input (Active High 10-14VDC; 30 mA) • 0-10VDC Output (100 mA Current Sinking)

Max Load per Load Type: 16A (Elec. Ballast/LED/CFL) • 20A (Resistive)

Output Voltage 0-10V / PWM: 0-10VDC

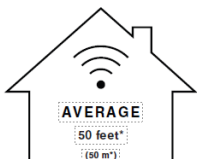
Dimming Method: 0-10VDC

Radio Tranceiver

Casambi Tested BLE Range: 100 ft (30.4 m)

Range

Average 50ft distance



*The wireless range of a Casambi unit is dependent on several factors; how it has been integrated into a luminaire, where it has been installed; taking into consideration surrounding obstacles such as walls and other building materials that may block signals. [Learn More](#)



Mechanical Data

Environmental Rating: Operating Temp -40°F to 104°F (-40°C to 40°C) • Storage Temp -40°F to 185°F (-40°C to 85°C) • Relative Humidity 90-95% non-condensing • Plenum rated

Ambient Temperature: -40°F to 104°F (-40°C to 40°C)

Storage Temperature: -40°F to 185°F (-40°C to 85°C)

Humidity: 90-95% non-condensing

Mounting Type: 1/2" Threaded Nipple to Fixture or Electrical Enclosure

Product Warranty: 5 years

Certifications

UL E341446 • ioXt

Warning!

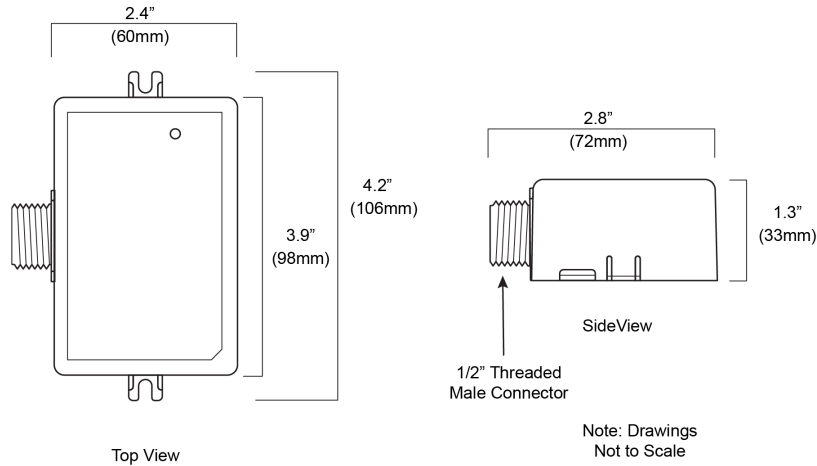


Hazardous voltages. Risk of electric shock or fire. Only qualified professionals should make the connections. Disconnect the mains power supply and verify its absence prior to installation.

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Physical Dimensions



Wiring Diagrams

