

Description

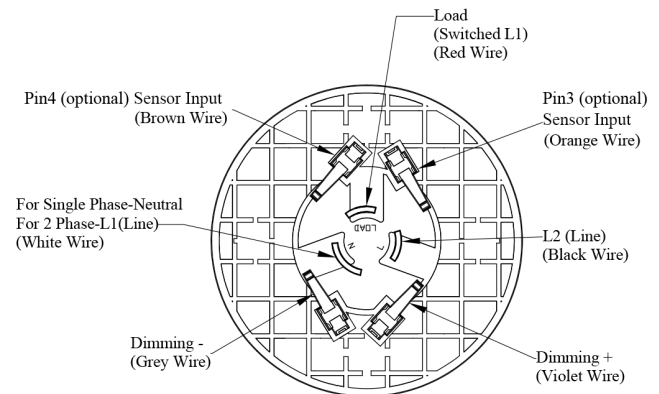
The MeshSmart wireless control node contains a radio, a lighting control, utility power measurement and sensor management chip and circuitry. It is mounted directly to the light fixture via the standard ANSI 136.41 NEMA receptacle. It automatically forms wireless mesh network, communicates with MeshSmart Gateway and offers real time monitoring and full range of control options including grouping, high-end trim, sensor based controls and integration with other applications.



Features

- Monitors energy usage, light status, sensor analysis data and more
- In-node scheduling (no wireless network required)
- On/Off control (zero crossing)
- Two 0-10V dimming control allows changing in color temperature
- Utility grade measurement with <1% error
- Self-forming and self-restoring wireless mesh network
- Continuous dimming - High resolution dimming (100 steps) to support light level changes smoothly
- Optimal motion-based lighting controls and lighting control sensor inputs available
- Reliable and encrypted communication

Wiring



Specification

- Voltage: 120-277V (+/- 10%) / 347-480V
- Max Load Current: 10A
- Radio Frequency: 2.4GHz - Excellent immunity to other 2.4 GHz devices for reliable co-existence
- Network Communication: IEEE 802.15.4
- Dimming: between 0-10V
- Dimming Channels: 2 (support color temperature adjustment)
- Operating Temperature: between -40 to +50C
- Surge: 2.5KV
- Security: AES Encryption and ZigBEE based authentication
- Power consumption: less than 2W
- Power Measurement Error: less than 1%
- Conforms: UL508 and UL60950-1
- Certifications: CSA C22.2 NO.14 and CSA 6950-1
- Warranty: 5 years
- Optimal Sensor Input: one digital and one analog input that can be used for motion-based and daylight or advanced lighting controls