Linmore LED
ULTRALINK+
WIRELESS CONTROLS SIMPLIFIED

ULPLUS-PCOS-CM

UltraLink+ Wireless Occupancy Sensor for People Counting, Ceiling Mount

Bluetooth® NLC   DLC LISTED   c(UL)us LISTED   FC

The **ULPLUS-PCOS-CM is a ceiling mount Bluetooth NLC Wireless Occupancy Sensor designed for people counting.** Using advanced thermal sensing and embedded AI, it delivers accurate, real-time occupancy data while ensuring complete privacy by detecting presence and location without capturing identifiable images. Its precise data enables smart HVAC and lighting control, helping reduce energy consumption through occupancy-based optimization. It connects via Bluetooth and can be accessed with the UltraLink+ web portal or mobile app for setup and configuration.

TECHNICAL SPECIFICATIONS[1]

- **Construction:** White Polycarbonate.

- **Input Voltage:** 12V DC.

- **Resolution:** 28 x 15 IR pixels.

- **Spectral Detection Range:** 8 -12 μm (LWIR).

- **Field of View:** X: 140˚, Y: 100˚.

- **Frame Rate:** 4Hz.

- **Operating Conditions:** Temperature difference between detection target and background must be at least 0.5 °C.

- **Operating Temperature Range:** 0°C to +40°C (-32°F to +104°F).

- **Dimensions:** 3.1" height x 3.3" diameter (79mm x 85mm).

- **Max Bluetooth Range:** 200ft (60m) line of sight.

FEATURES

- Human presence, count and location with 100% privacy.

- People count through/at set line/zone (door counting).

- Hot object count, location and temperature data.

- Thermal mapping of scenery with up to ±0.5 ˚C accuracy.

- Programmable radio transceiver designed for low power.

- Programmable settings can be set through the UltraLink+ mobile app.

- Advanced functionality available with the optional UltraLink+ Dashboard.

- Suitable for Indoor use.

- Mobile app available for iOS and Android devices.

LISTINGS

- FCC, UL, DLC.

- Conforms with DLC NLC5 Cybersecurity Standards.

TRUSTED NLB NATIONAL LIGHTING BUREAU WARRANTY   5 YEAR PRODUCT WARRANTY

ORDERING

Part Number	Description
ULPLUS-PCOS-CM	UltraLink+ Bluetooth NLC Wireless Occupancy Sensor for People Counting, Ceiling Mount, White Color, BubblyNet Firmware. Field installed.

INSTALLATION GUIDELINES

- This sensor needs to be installed recessed in the ceiling.

- Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

APPLICATIONS

- Reduce energy consumption with accurate human occupancy data and thermal mapping for HVAC and lighting optimization.

- Optimize space usage through detailed utilization data and door counting capabilities.

- Enhance evacuation support with real-time human presence tracking and hazardous hotspot detection.

- Improve security through tailgate detection for access control and intruder detection in low-visibility conditions.

- Increase safety by identifying hazardous hotspots and pinpointing fire locations.

FOOTNOTES

1. The performance of this product is influenced by various factors beyond Linmore LED's control, including but not limited to environmental conditions, user settings, and proper maintenance. While we provide detailed specifications and guidelines to help optimize performance, we cannot guarantee or be held liable for its performance under any particular circumstance(s). Customers are advised to test the products in their specific application environments to ensure suitability for their intended use.