Linmore LED
ULTRALINK+
WIRELESS CONTROLS SIMPLIFIED

ULPLUS-CO2-CM

UltraLink+ Wireless CO_2 Sensor, Ceiling Mount

Bluetooth® NLC DLC LISTED c(UL)us LISTED FC
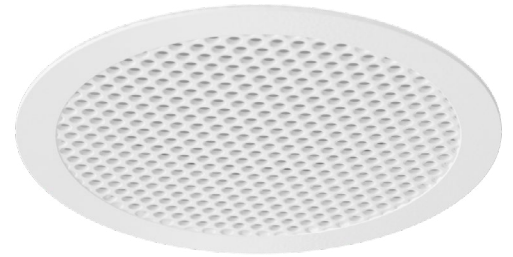
The **ULPLUS-CO2-CM is a ceiling mount Bluetooth NLC Wireless Sensor for CO_2, temperature, humidity and VOCs.** This CO_2 NDIR (Non-Dispersive Infrared) sensor detects carbon dioxide levels by measuring gas absorption, ensuring indoor environments remain within safe CO_2 concentrations. This helps promote occupant well-being, energy efficiency, and overall productivity. 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.

- **CO_2Sensor:** NDIR CO_2 sensor, fully calibrated and linearized.
  - Measurement Range: 400ppm - 10,000ppm.
  - Accuracy: ± (30 ppm, 3%).

- **PM Sensor:** Particulate Matter (PM 1.0, PM 2.5 & PM 10).
  - Resolution: 0.3 μg/m3.
  - Max error: ± 15%.

- **Humidity Sensor:**
  - Operating Range: 0% to 100%.
  - Pressure Range: 300-1100 hPa ± 0.6 hPa.
  - Accuracy: ± 3 % r.H.

- **Temperature Sensor:**
  - Operating Range: -32°F to +122°F (0°C to +50°C).
  - Accuracy: ± 1°C.

- **Ambient Light Resolution:** 100mlux.

- **Input Voltage:** 5V DC.

- **Current Consumption:** 45mA (400mA peak current).

- **Dimensions:** 3.0" (76.2mm) diameter.

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

LISTINGS

- FCC, UL, DLC.

- Conforms with DLC NLC5 Cybersecurity Standards.

FEATURES

- Tracks air quality by monitoring CO_2 concentration levels, temperature, humidity and VOCs.

- Control over HVAC.

- 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.

TRUSTED WARRANTY · NLB NATIONAL LIGHTING BUREAU

5 YEAR PRODUCT WARRANTY

ORDERING

Part Number	Description
ULPLUS-CO2-CM	UltraLink+ Bluetooth NLC Wireless Sensor for CO2, Temperature, Humidity and VOCs, Ceiling Mount, White Color, BubblyNet Firmware. Field installed.

INSTALLATION GUIDELINES

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

- It should be isolated from outside doors, windows and HVAC grids that can make the space appear to have more fresh air than it does.

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

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.

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