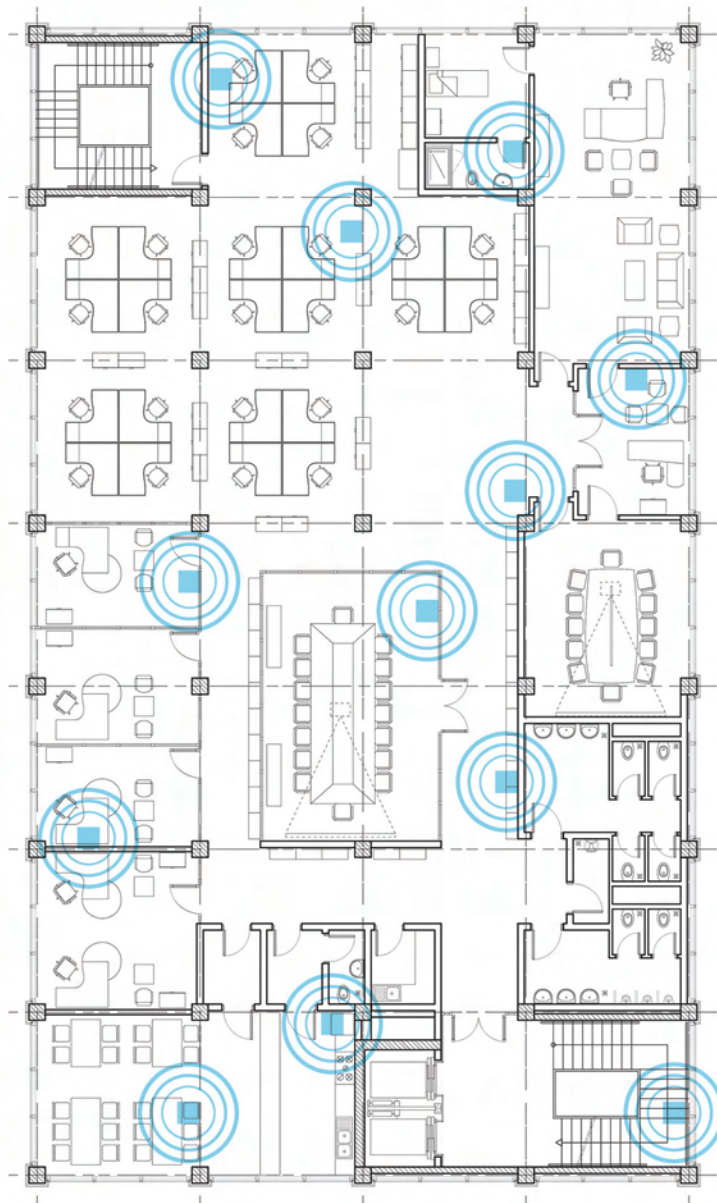


WSN-1102 : Product Datasheet

Lifetime Power® Wireless CO₂ Sensor



- « **No wires to install**
- « **Long battery-life (3.5-15 years @ 1-5 min intervals)**
- « **Self-calibrating with measurement range of 0-5,000ppm**



The Lifetime Power Wireless CO2 Sensor is a battery-powered indoor air quality (IAQ) sensor for HVAC control and occupant safety. The battery-life ranges from 3.5-15 years based on the user-adjustable measurement interval (1-5 minutes). The WSN-1102-CO2 is self-calibrating and reports accurate CO2 measurements to Powercast's WSG-101 Building Automation System (BAS) Gateway.

The WSG-101 gateway receives data from up to 100 sensor devices and interfaces to a wide range of standard BAS protocols including BACnet, Modbus, LonWorks, Metasys N2, XML and SNMP.

« KEY FEATURES

CO2 sensor

Self-calibrating operation, 0-5000ppm range

Ultra-low power consumption

Automated Configuration

Internal antenna

« BENEFITS

Long-term battery operation (3.5 - 15 yrs)

No wires to install

Maintenance-free, self-calibrating

Simple configuration and deployment

No interference with or from WiFi



SPECIFICATIONS

RADIO	IEEE 802.15.4, 2.4GHz
APPROVALS	FCC Part 15 and Industry Canada Contains FCC ID: OA3MRF24J40MA Contains IC: 7693A-24J40MA
ANTENNAS	2.4 GHZ, Internal
TRANSMIT POWER	0 dBm
TRANSMIT RANGE	100 ft. indoor to WSG-101 in a typical commercial office building
ACCURACY	0-5,000ppm, +/-3%
POWER	3xAA, replaceable batteries (R) Energizer L91 recommended 3.5 years @ 1 min. interval 7 years @ 2 min. interval 10 years @ 3 min. interval 15 years @ 5 min. interval
ENCLOSURE	ABS, UL94-5VA rating, Bone color
CONFIGURATION PORT	Internal USB mini-B connector for connection to WSG-101 BAS Gateway
MOUNTING	Wall mount, indoor use only
DIMENSIONS	5.8 x 3.2 x 1.5 in.
ENVIRONMENT	0-50°C / 32-122°F
TRANSMITTED DATA FOR BAS	Node ID, CO2 reading, and battery voltage
WEIGHT	1 lbs.

ORDERING INFORMATION

WSN-1102-CO2-R	Wireless CO2 sensor
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RELATED PRODUCTS

WSN-1101-T	Wireless temperature sensor
WSN-1101-TH	Wireless temperature and humidity sensor
WSN-1101-T2XT	Wireless temperature with external RTD port
WSN-1101-L	Wireless light sensor
WSG-101	Wireless BAS gateway



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