The Series CDWP Carbon Dioxide Transmitter accurately monitors the CO₂ concentration in industrial and indoor environments to help achieve energy savings. For increased sensor life and accuracy, a single-beam dual-wavelength non-dispersive infrared (NDIR) sensor is used to eliminate light source aging effects. This sensing technology provides the highest level of accuracy compared to Automatic Baseline Correction methods, which can unintentionally shift the calibration based on CO₂ levels and barometric pressure conditions.

**APPLICATIONS**
- Animal husbandry
- Mechanical room
- CO₂ refrigeration monitoring
- Greenhouses

**FEATURES/BENEFITS**
- No durability concerns with the rugged aluminum housing
- No water ingress or corrosion concerns with the IP54 housing that withstands 168 hour salt spray testing
- Consistent CO₂ measurements over time due to single-beam dual-wavelength technology
- Reduced downtime as the sensor has built-in calibration ports eliminating the need to remove it from operation

**SPECIFICATIONS**
- Sensor: Single beam, dual-wavelength NDIR
- Range: CO₂: 0 to 2000, 0 to 5000, or 0 to 10000 PPM (depending on model)
- Accuracy: CO₂: ± 40 PPM ±3% of reading
- Temperature Dependence: ±8 PPM/°C at 1100 PPM
- Non-Linearity: 16 PPM
- Pressure Dependence: 0.13% of reading per mm of Hg.
- Response Time: 300 s (T90)
- Temperature Limits: 32 to 122°F (0 to 50°C)
- Humidity Limits: 10 to 90% RH (non-condensing)
- Power Requirements: 16-35 VDC or 19-28 VAC
- Power Consumption: Average: 2 w; Peak: 3.75 w.
- Mounting Orientation: Vertically, with electrical connections points downward.
- Weight: 26.24 oz (744 g)
- Agency Approvals: CE

**ACCESSORIES**
- Replacement lid with filter material
- Suspended mount bracket

**MODEL OSC-200 & OSW-100**
**OCCUPANCY SENSORS**
Wide Viewing Angle, Easy To Install

The Model OSC-200 Occupancy Sensors help to automate building control systems. A spherical Fresnel lens provides a 360° detection zone with the use of infrared technology.

The Model OSW-100 Occupancy Sensor is an infrared sensor designed to help automate building control systems. The Model OSW-100 has a wide 110° viewing angle to capture movement up to 49.2° (15 m) away.

**FEATURES/BENEFITS**
- Delay processor suppresses switch activation during momentary occupancy
- Lighting control
- Building energy conservation

**SPECIFICATIONS**
- Infrared Sensor: Dual element
- Range: OSC-200: 34.4’ (10.5 m) diameter at 13.8’ (4.2 m) mount height; OSW-100: 49.2’ (15 m)
- Detectable Speed: 0.33 to 9.8 ft/s (0.1 to 3.0 m/s)
- Control Output Rating: SPDT, 0.2 A @ 30 VDC
- Ambient Operating Temperature: -4 to 140°F (-20 to 60°C)
- Power Consumption: Standby: 5 mA; Operating: 18 mA
- Mounting Height: OSC-200: 7.9 to 13.8’ (2.4 to 4.2 m); OSW-100: 5.9 to 11.8’ (1.8 to 3.6 m)
- Power Requirements: 22-26 VAC/DC
- Weight: OSC-200: 2.4 oz (68 g); OSW-100: 3.2 oz (90.7 g)
- Agency Approvals: CE