

Carbon Dioxide (CO₂) Sensors

C7262 Carbon Dioxide (CO₂)/Temperature Sensors



The C7262 Sensor is a stand-alone carbon dioxide (CO₂) and temperature sensor for use in determining ventilation necessity with HVAC controllers. The C7262 measures the CO₂ concentration and temperature to control the amount of fresh outdoor air supplied to maintain acceptable levels of CO₂ in the space.

- Used for CO₂ based ventilation control.
- Integral 20K ohm NTC temperature output.
- Models available with LCD that provides CO₂ ppm level.
- Non-Dispersion-Infrared (NDIR) technology used to measure carbon dioxide gas.
- Device provides voltage or current output based on CO₂ levels.
- Models available with SPST relay output.
- Automatic Background Calibration (ABC) algorithm based on long-term evaluation reduces required typical zero-drift check maintenance.

Description: Carbon Dioxide and Temperature Sensor, Non-dispersive infrared
Carbon Dioxide Range: 0 to 2000 ppm, adjustable
Analog Current Output: 0/2 - 10 Vdc or 0/4 - 20 mA selectable, w/ one relay output
Contact Ratings: 1 A @ 50 Vac/24 Vdc
Relay Output: One: Normally Open SPST

Voltage: 24 Vac/dc ±20%,
Frequency: 50 Hz; 60 Hz
Response Time: 1 minute
Sensor Type: Non-dispersive Infrared (NDIR)
Temperature Sensor Range: 50 F to 100 F
Operating Temperature Range: 32 F to 122 F (0 C to 50 C)
Accuracy: (± (30 ppm + 2% of reading))

Product Number	Display	Mounting	Dimensions, Approximate		Includes
			(inch)	(mm)	
C7262A1008/U	Yes	Wall mount	4 9/16 in. high x 3 in. wide x 7/8 in. deep	116 mm high x 76 mm wide x 22 mm deep	Honeywell Logo
C7262A1016/U	No	Wall mount	4 9/16 in. high x 3 in. wide x 7/8 in. deep	116 mm high x 76 mm wide x 22 mm deep	Honeywell Logo

C7632 Carbon Dioxide (CO₂) Sensors



The Carbon Dioxide (CO₂) Sensors offer a fixed 0-2000ppm and fixed 0-10Vdc output. No adjustments are necessary. Like the C7232 sensors, these are for use in determining ventilation necessity with HVAC controllers. The sensor measures the CO₂ concentration in the ventilated space or duct. The sensors are used in ventilation and air conditioning systems to control the amount of fresh outdoor air supplied to maintain acceptable levels of CO₂ in the space.

- Non-Dispersion-Infrared (NDIR) technology used to measure carbon dioxide gas
- Gold-plated sensor provides long-term calibration stability
- Fixed 0-2000ppm, fixed 0-10Vdc output
- Used for CO₂ based ventilation control (Demand Control Ventilation (DCV))
- Automatic Background Calibration (ABC) algorithm based on long-term evaluation reduces required typical zero-drift check maintenance

Description: Carbon Dioxide Sensor, Non-dispersive Infrared (NDIR), Wall Mount, Honeywell Logo
Carbon Dioxide Range: 0 to 2000 ppm, fixed
Analog Current Output: 0-10Vdc fixed
Electrical Connections: Terminal block
Relay Output: None

Voltage: 24 Vac (±20%)
Frequency: 50 Hz; 60 Hz
Response Time: 1 minute
Sensor Type: Non-dispersive Infrared (NDIR)
Operating Temperature Range: 32 F to 122 F (0 C to 50 C)
Accuracy: (5% full scale)

Product Number	Display	Mounting	Dimensions, Approximate		Includes
			(inch)	(mm)	
C7632A1004/U	No	Wall mount	4 1/8 in high x 3 7/8 in. wide x 1 1/16 in. deep	104 mm high x 99 mm high x 27 mm deep	Honeywell Logo
C7632B1002/U	No	Duct mount	5 5/8 in. high x 3 5/16 in. wide x 1 13/16 in. deep x plus 8 in. long sensing tube	142 mm high x 84 mm wide x 87 mm deep x plus 203 mm sensing tube	Honeywell Logo