



C7232 carbon dioxide (CO₂) sensor models provide exceptional long-term monitoring and control of space ventilation.

Ultra compact size, quicker and easier installation, selectable ranges, choice of "Honeywell" or unlabeled models, analog plus relay output and more add up to a greater bottom line: highest quality at a lower cost.

The CO₂ Sensor Family Expands!

Honeywell Fresh Air Economizer Systems automatically sense when the outside air is right to provide free cooling as a first stage of air conditioning. In addition, they dramatically reduce over-ventilation in air conditioning AND heating modes to deliver 30% to over 50% energy savings depending on climate, utility rates, particular building design/type and occupancy patterns.

EXCEPTIONAL DESIGN

All models include state-of-the-art NDIR technology plus a unique corrosion-free designed sensing chamber. This patented industry breakthrough combination provides accurate and stable CO₂ readings for years and avoids costly and inconvenient re-calibration.

- Patented gold-plated sensing chamber to eliminate a primary source of “drift”

- Automatic Background Calibration (ABC) to re-establish outdoor ambient concentration levels

SUPERIOR PERFORMANCE

- Calibration interval: 5 years
- Sensor life expectancy: 15 years
- Annual drift: 20 ppm
- Approved by California Energy Commission for compliance with Title 24 ventilation standards

APPLICATION VERSATILITY

- Honeywell Fresh Air Economizer Systems featuring demand control ventilation (DCV) for retail stores, offices, schools, restaurants, theaters, auditoriums, museums and other “variable occupancy” applications
- HVAC building management system input for monitoring ventilation rates, indication of occupancy, clogged filter/inoperable ventilation component alert, smoke/fire advance warning

- Food manufacturing and storage: mushrooms, flower growers and nurseries for CO₂ level control; dairy ventilation and agricultural animal confinement; breweries and restaurants/pubs

BOTTOM LINE

Honeywell Economizers with CO₂ sensors:

- Triple your year-round savings over “cooling only” economizing
- Deliver 5 to 10 times the savings compared to conventional temperature economizer changeover

Energy usage modeling provided by Michael J. Brandemuehl, Director of the Joint Center for Energy Management, University of Colorado, Boulder and James E. Braun, Associate Professor at the Ray W. Herrick Laboratories, Purdue University.

For more details, access the W7212 Simulator and Economizer Savings Estimator at customer.honeywell.com. Click on Support in the mail tool bar, then click on Applications and Downloads.

MODEL #	MOUNTING	OUTPUT TYPE	DISPLAY	HW LOGO	OUTPUT CHOICE	DETAILS
C7232A1008	Wall	One analog* - one SPST relay	Yes	Yes	Selectable	Replaces C7242A1030
C7232A1016	Wall	One analog* - one SPST relay	No	Yes	Selectable	Replaces C7242A1048
C7232A1024	Wall	One analog* - one SPST relay	Yes	No	Selectable	—
C7232A1032	Wall	One analog* - one SPST relay	No	No	Selectable	—
C7232B1006	Duct	One analog* - one SPST relay	Yes	Yes	Selectable	—
C7232B1014	Duct	One analog* - one SPST relay	No	Yes	Selectable	—
C7232B1022	Duct	One analog* - one SPST relay	Yes	No	Selectable	—
C7232B1030	Duct	One analog* - one SPST relay	No	No	Selectable	—
C7632A1004	Wall	0 – 10 Vdc – fixed	No	Yes	0-2000 PPM Fixed	—
C7632B1002	Duct	0 – 10 Vdc – fixed	No	Yes	0-2000 PPM Fixed	—

*Select 0/2 to 10 Vdc or 0/4 to 20 mA

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