



**C7232 carbon dioxide (CO<sub>2</sub>) 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 CO<sub>2</sub> 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 CO<sub>2</sub> 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 CO<sub>2</sub> level control; dairy ventilation and agricultural animal confinement; breweries and restaurants/pubs

## BOTTOM LINE

Honeywell Economizers with CO<sub>2</sub> 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](http://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

## Automation and Control Solutions

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