

Ventostat® Wall Mount

Telaire Wall Mount
CO₂, Humidity and
Temperature Transmitters



Features:

- Patented, Absorption Infrared Gas sensing engine provides high accuracy in a compact low cost package.
- Patented ABC Logic™ self-calibration system eliminates the need for manual calibration in most applications.
- Lifetime CO₂ calibration guarantee when using ABC Logic™.
- Mounting plate with two-piece terminal blocks provide quick, easy wiring.
- Gas permeable, water resistant CO₂ diffusion filter prevents particulate and water contamination of the sensor.
- Locking screw secures cover and sensor to the mounting bracket for tamper resistance.
- Dual simultaneous analog outputs (V & mA) available for CO₂.
- Sensors are shipped factory calibrated.
- Temperature sensor on all models.
- Modern enclosure with customized branding available.
- CO₂, humidity and temperature models.
- Two-piece design allows unit to be replaced without the need for rewiring.



GE imagination at work

Controlled Ventilation

Ventilation is an important part of maintaining a comfortable, healthy, productive environment for people. Improper ventilation can have a negative impact on occupant health and performance, increase the risk from litigation, and/or waste energy. Demand-controlled ventilation using CO₂ sensors prevents energy losses from over-ventilation while maintaining indoor air quality. The most energy savings potential is in buildings where occupancy fluctuates during a 24-hour period. Numerous organizations now require and/or recommend CO₂-based ventilation control in different commercial HVAC applications. Some utility companies also offer rebates to building owners for installing CO₂ sensors.

Wall mount sensors are used to control a specific area such as a conference room, classroom, meeting hall, etc. The Telaire 8000 Ventostat series are easy to install and have a clean, modern look that suits most indoor environments.

The Telaire 8000 Ventostat series is available in a number of configurations. The primary configuration is determined by the type of CO₂ sensor included.

T8100 — uses a single channel sensor using Telaire patented ABC Logic for lifetime calibration. Single-channel sensors are used in spaces where there is not full-time occupation (most applications).

T8200 — uses a dual-channel optical system and three-point calibration process for enhanced stability, accuracy and reliability. Used in applications where there is full-time occupation 24 hours a day.

T8300 — uses a single channel sensor with pitot tube kit for duct measuring of CO₂. ABC Logic enabled.

Note: The 8300 series uses larger enclosures (81.4 mm x 116.4 mm).

Part Number	Scrolling Display	Number of Channels	Color	Passive Temp	Active Temp 0-50°C	Humidity	4-20mA	0-5V or 0-10V (Select One Output)
T8100-E	N	1	W	Y	N	N	Y	Y
T8100-E-HD	Y	1	W	Y	Y	Y	Y	Y
T8100-E-D	Y	1	W	Y	N	N	Y	Y
T8100-E-B	N	1	B	Y	N	N	Y	Y
T8100-E-DB	Y	1	B	Y	N	N	Y	Y
T8100-E-H	N	1	W	Y	Y	Y	Y	Y
T8200-E	N	2	W	Y	N	N	Y	Y
T8200-E-D	Y	2	W	Y	N	N	Y	Y
T8200-E-HD	Y	2	W	Y	Y	Y	Y	Y
T8300-B	N	1	B	Y	N	N	Y	Y
T8300-DB	Y	1	B	Y	N	N	Y	Y

Black = 'B'
White = 'W'
Yes = 'Y'
No = 'N'

Note: 0-10 or 0-5V and 4-20 mA outputs for CO₂ concentration are available simultaneously. The 0-10 or 0-5V or 4-20 mA for Active Temp and RH % (when RH is ordered) outputs are jumper selectable and are not available simultaneously.

