

## Outside Air with LCD CO2 Transmitter/switch

0 -2000/0 -5000 ppm | 4-20mA; 0-5/10VDC  
Integrated setpoint relay|



## Outside air mount CO2 with LCD for ease of use

- Ensure energy savings by controlling conditioning minimum amount outside air.
- Integrated display and pushbutton menus for field selectable scale, calibration, and operational modes
- Dual 4-20mA and 0-5v/0-10v output (jumper selectable)
- Integrated high-reliability solid-state set-point relay is ideal for direct control applications; easy to set up thanks to LCD

### High reliability reduces call backs

- Non-dispersive infrared sensing element (NDIR)
- Gold-plated optical chamber for high performance and endurance
- Field replaceable CO2 sensor
- Industry leading 7-year warranty on electronics; NDIR module 3 years

### High accuracy for improved system performance

- Selectable auto-calibration mode returns sensor to baseline values
- +/-2% full scale to 1400 ppm. (5000 ppm f.s.)

### Display simplifies install



**SPECIFICATIONS**

Power Supply		12-30vdc/24vac <sup>(1)</sup> , 100mA max.
Analog Outputs	Dual Analog	3-wire 4-20mA and 0-5v/0-10v <sup>(2)</sup> (jumper)
	Output scaling	0 - 2000 or 0 - 5000 ppm (selectable)
Digital Setpoint Output	Programmable	Solid-state, 1A @ 30VAC/DC, N.O.
Sensor Performance	Type	Non-dispersive Infrared (NDIR)
	Accuracy	+/-2% full scale to 1400 ppm. (5000 ppm f.s.)
	Response time	60 seconds to 90% reading
	Output update rate	3 seconds
LCD Menu Setup Parameters	<i>SPH</i> , Setpoint, Hi (On point)	500ppm to full-scale (700ppm default)
	<i>SPL</i> , Setpoint, Lo (Off point)	400ppm to full-scale-50 (600ppm default)
	<i>SCL</i> , Scaling	0-2000ppm or 0-5000ppm (2000ppm default)
	<i>ADJ</i> , Adjustment	Offset adjustment +/-250ppm (0 default)
	<i>CAL</i> , Calibration mode	Automatic mode ON or OFF (default=ON)
Operating Environment	Temperature	0 to 122F (-18 to 50C)
	Humidity	0-95% non-condensing
Enclosure	Material	Polycarbonate; aluminum tube
	Dimensions	3.7" h x 3.7" w x 2.24" d

(1) One side of transformer secondary is connected to signal common. Dedicated transformer is recommended.  
 (2) 15vdc power supply voltage required for 10 volt output.

**ORDERING**

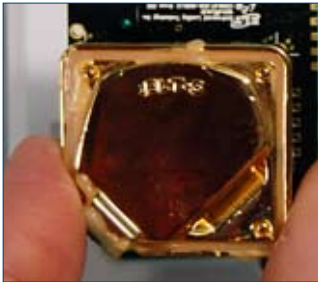
CO20-

**Temperature**

- A = None
- C = 100Pt (385)
- D = 1000Pt (385)
- E = 10k type 2
- F = 10k type 3
- G = 10k type 3 w/11k shunt
- H = 3k
- I = 2k2
- J = 1k8
- K = 20k
- L = 100k

**Replacement Sensor Elements**

CO2-5 Replacement NDIR element



Field replaceable gold-plated CO2 NDIR