ASENSE-OUTDOOR

Carbon Dioxide Sensor

The ASENSE-OUTDOOR transmitters monitor the carbon dioxide (CO_2) levels outside or in non-heated structures. It uses an industrial housing that includes a heating element so the electronics can function properly in colder environments. The ASENSE Series is based on a single beam non-dispersive infrared technology and is a cost-optimized solution for the climate control of buildings and other processes. In addition, ABC software eliminates the need for manual calibration. The ASENSE Series measures the CO_2 concentration in the surrounding air up to 2,000 ppm and converts the data into an analog output. Units come with combined outputs of 0-10 VDC and 4 to 20 mA. A relay option is also available for this series.

The ASENSE-OUTDOOR is covered by ACI's Five (5) Year Limited Warranty. The warrany can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, www.workaci.com.

SPECIFICATIONS

Supply Voltage	24-29 VAC/VDC, 50/60 Hz (half-wave rectifier)
Supply Current	Minimum 2 Amps, continuous
Measurement Range	0 to 2,000 ppm
Output Signal (Selectable)	0-10 VDC, 2-10 VDC, 0-20 mA, 4-20 mA
Relay Output (Optional)	N.O., 1 mA/5V up to 1A/50 VAC/24 VDC (SPST)
Relay Trip Point	1,000 ppm (Factory Set)
Relay Deadband	100 ppm (Factory Set)
Accuracy	+/- 1% of measurement range +/- 5% of measured value
Annual Zero Drift	<+/- 0.3% of measurement range
Pressure Dependance	+1.58% reading per kPA deviation from normal, 100 kPA
Response Time	2 minute diffusion time
Warm-up Time	< 1 minute (full specs < 10 minutes)
Operating Temp/RH Range	-22 to 122°F (-30 to 50°C)/0 to 95% non-condensing
Sensor Coverage Area	7,500 sq. ft. maximum

ORDERING

Select a Relay Option (A).

A Relay Option

- ◯ **----** (No Relay)
- ◯ **REL** (Relay)

BUILD PART NUMBER

After completing (A) from the above table, fill in the Part Number Table below. The "Sensor Series" is factory default. An example part number is offered.

ASENSE-OUTDOOR _____ —

SENSOR SERIES	A

EXAMPLE: ASENSE-OUTDOOR - REL