

# Z-Gard COmbo Gas Monitor

Gas alarm monitor with integrated solid-state carbon monoxide sensor

## Simplicity/ Ease of Use

- Economical and reliable
- Onboard solid-state (MOS) carbon monoxide sensor
- 100 and 200 ppm full scale ranges available
- Local audio/visual alarm status indication
- Relay contact outputs can be employed to interface with air handling equipment to control vehicle exhaust emissions or general air quality inside buildings
- All relays are factory-configured to be normally de-energized. All relays return to inactive state once condition clears
- Alarm relay can be made in activated position even after alarm is cleared
- Pushbutton to silence an audible alarm or to reset the latching alarm relay
- Sensor status feature provides indication if either integral sensor or any other remote sensor fails to communicate properly
- 4-20 mA output proportional to calibrated operating range
- Optional LED readout with auto-ranging available that displays internal sensor's gas concentration level

## Expandability

- Can also act as master panel, managing up to seven additional remote gas sensors connected to monitor's RS-485 network port



Specifications	
<b>POWER REQUIREMENTS</b>	
STANDARD	110 VAC, 50/60 Hz at 0.5 amps
OPTIONAL	220 VAC, 50/60 Hz at 0.25 amps or 24 VDC at 1.5 amps
<b>DIGITAL SIGNAL PORT</b>	RS-485, 4-wire serial network for remote sensor connections
<b>OPTIONAL 4-20 mA OUTPUT</b>	Exhibits highest reading derived from all associated sensors
<b>OPTIONAL DIGITAL READOUT</b>	4-digit LED display. First digits for channel number and 3 digits for concentration readings
<b>STATUS DISPLAY</b>	Common LED for Power, Warning, Alarm, and Sensor Status
<b>RELAY CONTACTS</b>	All relays can be selected as normally-energized or de-energized. Alarm relay can also be selected as latching or non-latching.
<b>RELAYS</b>	1-Warning SPDT, 1-Alarm SPDT and 1-Sensor Fail SPDT
10 AMPS	½ H.P., 125 VAC
6 AMPS	½ H.P., 277 VAC
5 AMPS	30 VDC
<b>WARNING &amp; ALARM SET POINTS</b>	Field-adjustable and factory-set at 25 ppm and 50 ppm CO
<b>TIME DELAYS</b>	5 minutes ON delay for alarm and 5 minutes OFF delay for warning or selected with NO delay action
<b>AUDIBLE DEVICE</b>	93 dB at 0.3 meters with solid ON or user-selected variable option
<b>TEMPERATURE</b>	
OPERATING	32°F to 104°F (0°C to 40°C)
STORAGE	14°F to 122°F (-10°C to 50°C)
<b>PUSH-BUTTON</b>	Alarm reset and audible device silence feature
<b>ENCLOSURE</b>	
STANDARD	Metal NEMA 1
OPTIONAL	Fiberglass NEMA 4
<b>DIMENSIONS</b>	8.25" H x 8.25" W x 4.0" D (210 x 210 x 102 mm)
<b>CERTIFICATION</b>	CSA Certificate of Compliance No. LR51078-5