

Critical Environment Technologies Canada Inc.

www.critical-environment.com

GEM Type "E" 2-Channel Self-Contained Gas detector Low Voltage Installation Drawing for Parking Garage Applications for CO & NOX (diesel exhaust) Rev-A October 15, 2010



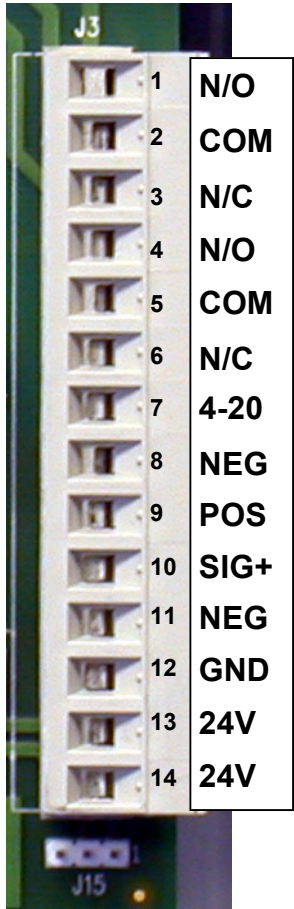
GEM TYPE "E" 2-CHANNEL SELF-CONTAINED GAS DETECTION SYSTEM. ONE INTEGRAL CO SENSOR AND ONE INTEGRAL NOX SENSOR

NOTE: THIS PHOTO SHOWS THE OPTIONAL LED DIGITAL DISPLAY

GEM MOUNTING HEIGHT 4' TO 6' FROM THE FLOOR "BREATHING ZONE"

INSTALLER SUPPLIED LOW VOLTAGE OPERATING POWER

WIRING TERMINATIONS: DO NOT USE SOLID-CORE WIRE. ANY DAMAGE CAUSED BY USE OF SOLID-CORE WIRE WILL VOID WARRANTY. USE STRANDED WIRE ONLY



1	N/O	RELAY-1 (LOW ALARM)
2	COM	RELAY-1 (LOW ALARM)
3	N/C	RELAY-1 (LOW ALARM)
4	N/O	RELAY-2 (HIGH ALARM)
5	COM	RELAY-2 (HIGH ALARM)
6	N/C	RELAY-2 (HIGH ALARM)
7	4-20	4-20 ANALOG OUTPUT, CH-1
8	NEG	NEG. ANALOG OUTPUT, CH-1
9	POS	NOT USED
10	SIG+	4-20 ANALOG OUTPUT, CH-2
11	NEG	NEG. ANALOG OUTPUT, CH-2
12	GND	INCOMING POWER: 24VDC
13	24V	INCOMING POWER: 24VDC / 24VAC
14	24V	INCOMING POWER: 24VAC

NOTE: TWO INTERNAL DRY CONTACT RELAYS ARE RATED 5-AMPS @ 240VAC EACH S.P.D.T.

DO NOT RUN LINE VOLTAGE AND LOW VOLTAGE WIRES IN SAME CONDUIT

LOW VOLTAGE SIDE

LINE VOLTAGE SIDE

AVAILABLE OPTIONAL TOTALLY ENCLOSED TRANSFORMER ALLOWING 115VAC INCOMING AND OUTPUTTING 22VAC TO GEM SYSTEM

LOW VOLTAGE & LINE VOLTAGE ARE SEGREGATED INSIDE THIS TRANSFORMER

