

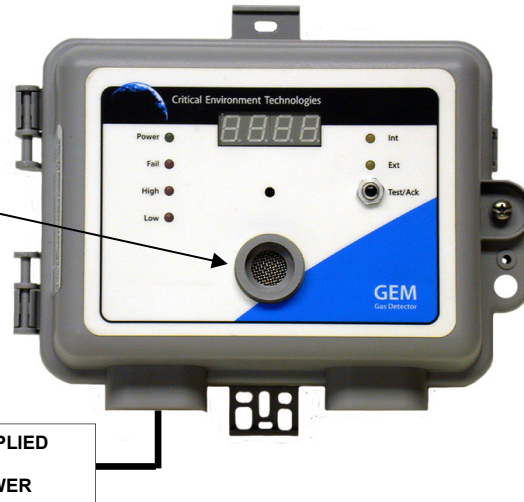
Critical Environment Technologies Canada Inc.

www.critical-environment.com

GEM Type "A" 1-Channel Self-Contained Gas detector Low Voltage Installation Drawing Rev-A October 15, 2010

GEM TYPE "A" 1-CHANNEL SELF-CONTAINED GAS DETECTION SYSTEM. ONE INTEGRAL CO SENSOR (OTHER SENSORS ALSO AVAILABLE)

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

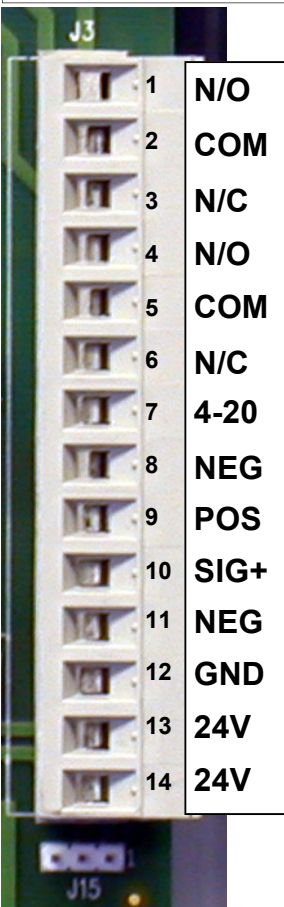
LOW VOLTAGE SIDE

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



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
8	NEG	NEG. ANALOG OUTPUT
9	POS	NOT USED
10	SIG+	NOT USED
11	NEG	NOT USED
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