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REV	ECO	DESCRIPTION	DATE	DRN	CHK	APP'D
ALL	---	SEE SHEET 1				

SPECIFICATIONS

POWER SUPPLY
 +24 VDC or 24 VAC (Nominal)
 18-50 VDC
 15-36 VAC, 47 to 63 Hz
 125 mA maximum current draw (80 typical)
 Do not connect 24 VAC to ground.
 Do not use 24 VAC on Digital Installation.

SIGNAL OUTPUT
 - 4-20 mA Linear.
 - Digital Communication RS-485
 For use with QDCS-4000 monitor.

OPERATING RANGE (STANDARD)
 0 to 125 PPM CO In vehicle exhaust
 0 to 50 % LEL of applicable gas (combustible)
 0 to 500 PPM NH3
 0 to 1000 PPM MOST FREONS
 0 to 100 PPM FREON R-123
 CALL FACTORY FOR SPECIAL SETTING.

ALARM SETTINGS (For digital only - see Operation Manual))

CD	HI Group (SW-4)		LD Group (SW-3)	
	Warning	Alarm	Warning	Alarm
CO	50ppm (VE)	100ppm (VE)	25ppm (VE)	75ppm (VE)
C3H8 (Comb.)	10%LEL	20%LEL	5%LEL	10%LEL
NH3	50ppm	300ppm	25ppm	35ppm
Freon R134A	500ppm	1000ppm	400ppm	900ppm
R11, R12, R22	500ppm	1000ppm	400ppm	900ppm
Freon R123	30ppm	50ppm	10ppm	30ppm

CALL FACTORY FOR SPECIAL SETTINGS.
 VE = In Vehicle Exhaust Equivalent.
SENSOR
 Solid State Sensor
 Solid State 1-5 VDC Remote Sensor

ENVIRONMENT
 Temperature: -4°F to 104°F (-20°C to 40°C)
 Humidity: 0 to 99 % Non-Condensing

TRANSMITTER/SENSOR MOUNTING
 Flat surface mounting is designed to be installed on a standard single wall switch box,
 (2 holes 3/16" Dia. at 3-3/8" apart)
 Sensor should be mounted horizontally or vertically with the sensor pointing downward.

CARBON MONOXIDE CO
 4 TO 6 ft (1.2 - 1.8 m) above floor
AMMONIA
 1 ft (0.31m) below ceiling
ALL FREONS
 1 ft (0.31m) above floor

COMBUSTIBLE
METHANE
 1 ft (0.31m) below ceiling
OTHER HYDROCARBON GASES eg. PROPANE
 1 ft (0.31m) above floor

CABLE ENTRY
 1/2" Conduit entry holes supplied on top and rear as shown.

ENCLOSURE
 NEMA 1 ABS Plastic Fire Retardant Cover,
 94 V-0
 or
 NEMA 4X Gasketed

WIRE
 - Power and 4-20 mA Signal
 Size: Min. 24 AWG (Ø0.51 mm)
 Size: Max. 14 AWG (Ø1.6 mm)
 - RS-485 (DIGITAL ONLY)
 Belden 9841 recommended
 Twisted shielded pair

PAINTING

When painting in the area, turn unit OFF, seal sensor opening with masking tape.

SPECIAL NOTE

Use Combustible Transmitter/Sensor in non-classified areas only.

DRN. V. DATE	00-06-80	QUATROSENSE ENVIRONMENTAL LTD
CHK		QUATROSENSE ENVIRONMENTAL LTD
DESIGN YLDRE	00-06-80	
APP'VD		
QA		
APPLICATION		
QUATROSENSE ENVIRONMENTAL LTD		
TRANSMITTER/SENSOR		
ANALOG/DIGITAL INSTALLATION DRAWING		
SIZE	B	
TYPE	ID	
DWG NO.	29050-001-000	
REV	F	
SCALE	---	
FILENAME	RESPONSE.DWG	
SHEET 2 OF 2		

4

3

2

1