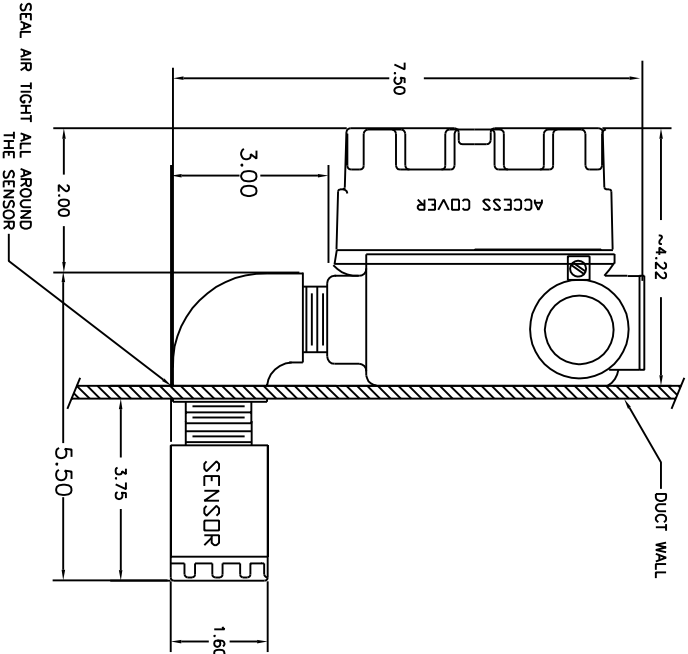


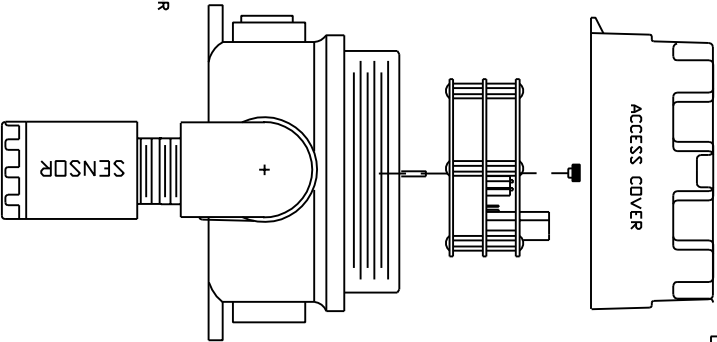
THIS DRAWING CONTAINS INFORMATION WHICH IS THE PROPRIETARY PROPERTY OF QUATROSENSE ENVIRONMENTAL LTD. THIS DRAWING IS RECEIVED IN CONFIDENCE AND ITS CONTENTS MAY NOT BE DISCLOSED WITHOUT THE PRIOR WRITTEN CONSENT OF QUATROSENSE ENVIRONMENTAL LTD.

REVISIONS						
REV	ECO	DESCRIPTION	DATE	DRN	CHK	APVD
A	770	FIRST RELEASE	06-04-26	XY	CDY	XY
B	884	UPDATE TEMP SPEC	08-11-18	CLG	XYZ	XYZ

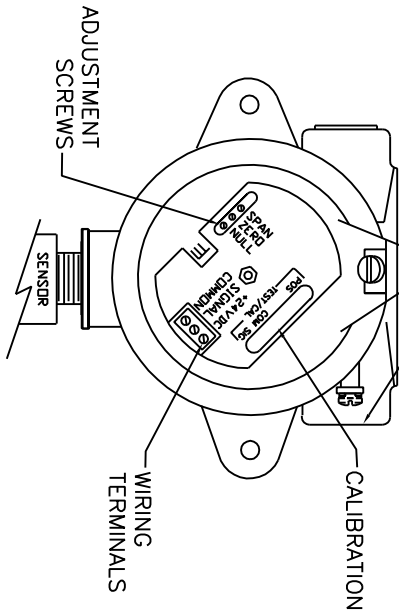
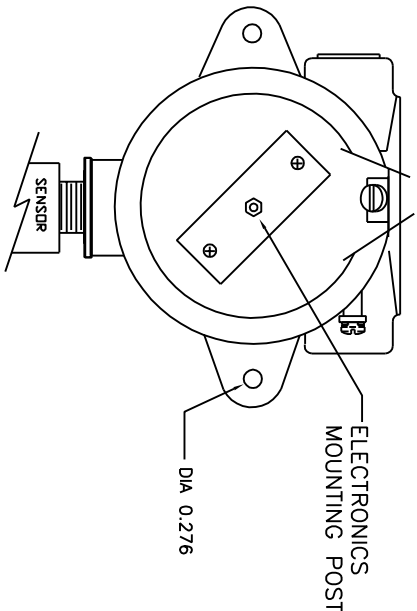


SEAL AIR TIGHT ALL AROUND THE SENSOR
USE REMOVABLE SEAL MATERIAL.
N.B. AVOID SILICONES!

THREADED FOR
3/4" CONDUIT



REMOVE ELECTRONICS MODULE
WHEN PULLING WIRES
OR CONNECTING GROUND WIRES
TO CASE GROUND
RECONNECT SENSOR
AS SOON AS POSSIBLE



NOTES:
1-MINIMUM DUCT I.D. 4"
2-CONSULT FACTORY FOR VELOCITY
GREATER THAN 30KM/HR.

QUATROSENSE ENVIRONMENTAL LTD									
RICHMOND, ONTARIO, CANADA									
DRN	XY	06-04-26		OTS-1710 SERIES DUCT MOUNT TRANSMITTER/SENSOR COMBUSTIBLE GASES (XD-1) INSTALLATION DRAWING					
CHK	CDY	06-04-26							
DRN	XY	06-04-26							
APVD									
QA									
APPLICATION									
DIMENSIONS ARE IN INCHES									
DIMENSIONS IN PARENTHESES ARE IN MILLIMETERS AND									
SHOWN FOR REFERENCE ONLY									
SIZE		TYPE		DRG NO		REV			
B		ID		28050-413-000		B			
SCALE		--		FILENAME		SHEET 1 OF 2			

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REVISONS				
REV	ECO	DESCRIPTION	DATE	DRN
		SEE SHEET ONE		REV'D

SPECIFICATIONS:

POWER SUPPLY

24 VDC (12 to 30 VDC)
125 mA maximum current draw
80 mA typical

SIGNAL OUTPUT

4-20 mA Linear

MAX. SIGNAL LOAD

700 Ohms at 24 VDC
500 Ohms at 20 VDC
200 Ohms at 12 VDC

OPERATING RANGE (STANDARD)

0-100% LEL

SENSOR

Catalytic bead sensor
Poison resistant standard

ENVIRONMENT

Temperature: -40°F to 122°F (-40°C to 50°C)
Humidity: 0 to 99 % Non-Condensing

TRANSMITTER/SENSOR MOUNTING

Methane, Hydrogen and Ammonia:
1ft (0.31 m) below ceiling.
Other gases: 1 ft (0.31m) above floor
Sensor should be mounted horizontally or vertically with the sensor pointing downward

CABLE ENTRY

3/4" DIA Conduit entry hole as shown.

ENCLOSURE

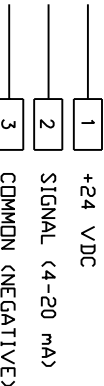
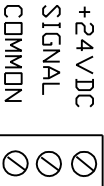
Expl. Proof: CL 1, Div 1, Gr. A, B, C, D
FM, CSA, ATEX Approval

WIRE

Connection: Terminal block,
Size: Min. 24 AWG (Ø0.51 mm)
Size: Max. 14 AWG (Ø1.6 mm)

Gas	Lower Explosive Limit LEL	Response Relative to Methane	Methane Multiplier
Acetylene	1.5%	0.57	1.75
Benzene	1.2%	0.40	2.46
Cyclohexane	1.3%	0.45	2.22
Ethanol	3.3%	0.45	2.22
Hexane	1.0%	0.45	2.22
Hydrogene	2.2%	0.95	1.05
iso-Octane	0.95%	0.35	2.86
iso-Propyl Alcohol	2.2%	0.35	2.86
n-Butane	1.8%	0.55	1.82
n-Octane	1.0%	0.55	1.81
Nonane	0.85%	0.25	4.00
n-Propyl Alcohol	2.2%	0.40	2.50
Propane	2.1%	0.60	1.67

WIRING CONNECTIONS



CALIBRATION RECOMMENDATION

Every 90 days max.

STANDARD CALIBRATION

4-20 mA
0-100% LEL CH₄

PAINTING

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

QUATROSENSE ENVIRONMENTAL LTD			
RICHMOND, ONTARIO, CANADA			
DRN	XY	06-04-26	
CHK	EDY	06-04-26	
DRN	XY	06-04-26	
APVD			
QA	----	----	
APPLICATION			
DUCT MOUNT TRANSMITTER/SENSOR COMBUSTIBLE GASES INSTALLATION DRAWING			
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE IN MILLIMETERS AND SHOWN FOR REFERENCE ONLY.			
SIZE	TYPE	DATE	REV
B	ID	28050-413-000	B
SCALE --		FILENAME	SHEET 2 OF 2