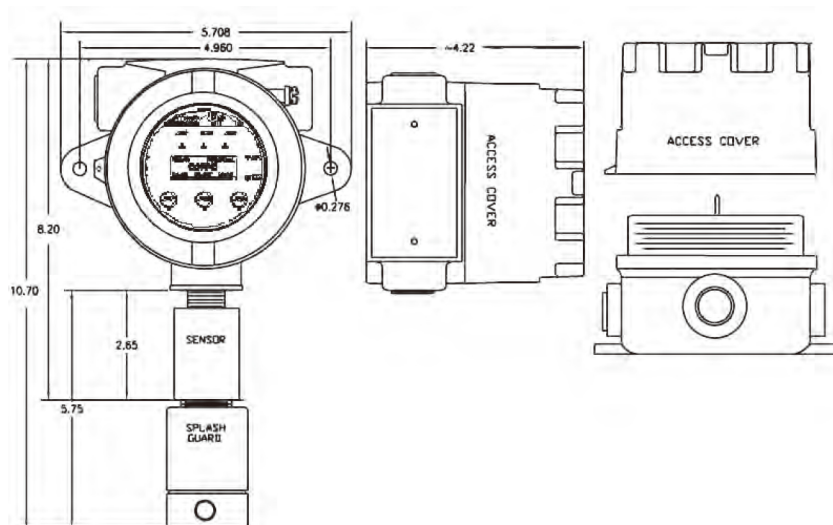


QEL Q8 Series Gas Detectors



ELECTRICAL AND MECHANICAL SPECIFICATIONS

Input Power: 24 VDC nominal, range 18 to 30 VDC, 0.3 A DC Total Max.
24 VAC nominal, range 15 to 24 VAC, 0.3 A AC Total Max.
(AC must not be grounded)

Fuse: F2 on Main Board: Polyswitch 750 mA
Polyswitch device resets after the fault is cleared and power to the circuit is removed

Sensor: Combustible gases: Catalytic
Toxic gases and Oxygen: Electrochemical

Panel Indicators: 5 Status LED's
 ▶ RS-485 TX Status (Green)
 ▶ RS-485 RX Status (Green)
 ▶ Relay 1 Status (Red)
 ▶ Relay 2 Status (Red)
 ▶ Relay 2 Status (Red)

Display: LCD graphic display c/w backlight

Keypad: 3 magnetic switches: F1, F2, F3

Relays: 3 Relays SPDT, Dry contacts
 ▶ 1.0 A maximum at 30 VDC (resistive load)
 ▶ 0.3 A maximum at 125 VAC (resistive load)

Enclosure: Aluminium Pressure Die-Casting
Entries: 2 X ¾ NPT

Certificate: FM 3615, CSA C22.2 No.30
Class I, Groups A, B, C, D, Class II, Groups E, F, G; Class III
Enclosure Type: 4X, Division 1 Division 2
ANSI/ISA 12.22.01
Class I, Zone 1 AEx d II C, IP66 Zone 1
CSA E60079-1 Ex d II C, Class I, Zone 1, IP66

Operating Temperature:
-40° C to 70° C, depends on sensor specification

Ambient Humidity:
5% to 95% RH (non-condensing)

Storage Temperature:
0° C to 40° C, depends on sensor specification

Size: 145 mm X 190 mm X 130 mm

Weight: Less than 4 lbs

Ensure a complete understanding of all applicable Federal, State, Provincial and Local Health and Safety laws and regulations before using these products.



QUATROSENSE
ENVIRONMENTAL
LIMITED

This brochure includes general specifications which are subject to change.