

GAS DETECTOR - TYPE ED 910



The ED910 Gas Detector provides an economic and reliable solution to flammable and toxic gas detection.

Available in four different models to allow Semiconductor, Pellistor (Catalytic) and Electrochemical Sensor types to be connected. Sensors are all available complete with the necessary head electronics if required. Supplied certified Flameproof or suitable for Safe Area only, covering a wide range of gases and applications.



FEATURES

- Two alarms each with two sets of voltage free contacts rated 3A at 250Vac (resistive load)
- Two sets of non-alarm accept voltage free contacts rated 3A at 250Vac (resistive load). factory selectable for low or high gas alarm.
- Fault monitoring of sensor wiring, with two sets of voltage free contacts rated 3A at 250Vac (resistive load)
- Industry standard 4-20mA input
- Engineer's override
- Continuous meter readout of gas concentration on the LCD digital display.

SPECIFICATION

Power input: 24V D.C

or (notify in order)

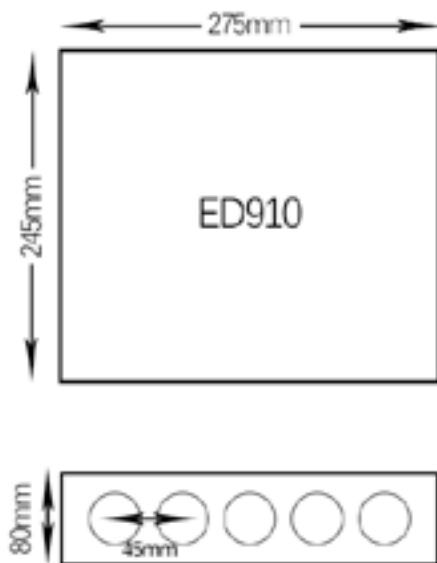
110/220/240V A.C. 50/60 Hz.

System Power consumption in non alarm condition typically less than 10W dependent upon sensor type.

Ambient temperature range -25C to +55C

Alarm point accuracy + or - 5% of F.S.D

DIMENSIONS



SIMPLE INSTALLATION

The ED910 comes with five 20mm holes which are fitted with blind grommets.

The enclosure is hinged on the left side, opening the hinged lid reveals the four mounting holes.

MODELS AVAILABLE

The ED910 is a fixed installation gas detector control unit which is available in four models (Each available in 24VDC or 110/220/240V A.C. 50/60 Hz):

ED910 Semiconductor

ED910 Head Electronics (4-20mA)

ED910 Head Electronics (0.2 - 1.0V)

ED910 Oxygen monitor

ED910 - SEMICONDUCTOR

Suitable for semiconductor gas sensors connection.

EDP1B (Uncertified, Non I.S) or **EDF1B** Flameproof (Intrinsically Safe via Barrier). Suitable for detection of flammable gases such as Ammonia, Butane, Propane and some toxic gases. (For more gases see sensor list).

EDP2B (Uncertified, Non I.S) or **EDF2B** Flameproof (Intrinsically Safe via Barrier). Suitable for detection of flammable gases such as Methane and some toxic gases, (For more gases see sensor list).

EDP3B (Uncertified, Non I.S) or **EDF3B** Flameproof (Intrinsically Safe via Barrier). Suitable for detection of most Freons such as R22, R12, R143A, R134A (For more gases see sensor list).

ED910 - HEAD ELECTRONICS (4 - 20MA)

Designed to accept 4-20mA input from sensor head electronics type EFM/C, EFM/P or EFM/S (Manufactured by Electronic Devices Ltd). Some gas sensors require head electronics for correct operation such as Electrochemical Cell Sensors or Catalytic (Pellistor) Sensors. See sensor list for for sensor types available.

ED910 - HEAD ELECTRONICS (0.2 - 1.0V) EDS/C EDN/C OR /P

Designed to accept 0.2-1.0Vdc input from sensor head electronics type EDS/C or EDS/P (Manufactured by Electronic Devices Ltd). Some gas sensors require head electronics for correct operation such as Electrochemical Cell Sensors or Catalytic (Pellistor) Sensors. See sensor list for for sensor types available.

ED910 - OXYGEN MONITOR

Designed to accept the two core Oxygen sensor type EDP 6/02 sensor head (Manufactured by Electronic Devices Ltd) This sensor and hence the ED910 has a range of 0-30% oxygen.

HAZARDOUS AREA

Intrinsically safe applications require an Electronic Devices Zener barrier. Both flameproof and intrinsically safe installations must meet the HSE or equivalent governing bodies code of practice for Hazardous area installations.

Where a particular installation is classified as "Hazardous" consideration should be given to the possibility of fitting Hazardous Area Certified sensors. If full Marine Approval is required, the ED810 or ED700 control units should be considered (Manufactured by Electronic Devices Ltd).

EDP SENSOR



EDF SENSOR



EDS/C OR EDN/C OR /P TRANSMITTER



EFM TRANSMITTER



Also available in this range of gas detectors are the following models:

ED 210, ED 810, ED 811