



EURO GAS LTD.



GAS DETECTION SYSTEM

Euro Gas 4 – Combustible Gas Monitor

Features -

- Accepts Inputs From Up To 4 Detectors
- Voltage Free Relay Contacts
- Digital Display
- Programmable Alarm Levels
- IP 65
- Common Fault Relay
- Alarm Inhibit During Calibration



The Euro Gas 4 is a low cost, robust easy to use wall mounted gas detection controller. It will accept inputs from up to 4 Euro Gas Combustible detectors, providing an accurate reading for a range of combustible gases in 0-100% LEL on its digital display.

The Euro Gas 4 is microprocessor controlled and easily programmable for alarm set points, relay options and incorporates the latest in surface mount technology.

The Euro Gas 4 processes the sensor signal through an analysis program to reduce the undesirable effects of false alarms.

Calibration

The Euro Gas 4 provides for efficient on-site calibration with on-board SPAN and ZERO potentiometers.

Euro Gas Combustible Sensor

- Detects Combustible Gases and Vapours
- Fast Response Time
- Temperature Compensated
- Low Drift
- Easily Calibrated
- Long Life



The Euro Gas combustible gas sensor measures combustible gases in the range 0-100%LEL and comes complete with an ABS housing.

The detection principle comprises the industry standard thermocatalytic sensor consisting of an active and reference element.

Combustible gas will oxidise on the active element while the reference element will compensate for changes in temperature and humidity.

Euro Gas 4 Combustible Gas Monitor Technical Data

Mechanical Specifications

H x W x D 230mm x 300mm x 110mm
Mounting holes 4 holes, Ø4.2mm, spaced at 200mm (vert) 228mm (horz)

Environmental Specifications

Operating temperature -18 to +66°C
Storage temperature -40 to +66°C
Humidity range 10 to 90% RH (Non-condensing)

Electrical Specifications

Supply voltage 230Vac
Power Consumption 6W
Mains fuse 1 A'T'
Sensor cables 3 core, screened, 0.5mm² to 1.5mm²
Relay contacts SPDT, 250V, 3A each for A1, A2 and FAULT
Stabilisation time User selectable: 1-250 seconds
Annunciator output 84dB(A) @ 1m
Terminations PCB mounted terminal blocks to accept 1.5mm² cable
Option settings Digital setting (user selectable)
Alarm setting Digital setting (fully adjustable, 0-100%)
Alarm types Energised/de-energised: user selectable
Resolution 1%
Accuracy 5%

Euro Gas 4 Sensor Specifications

Operating voltage 2.05V
Operating Current 175mA
Detection range 0-100%LEL
T90 response time Typically <15 seconds
Stabilisation time 1 minute
Preconditioning time 1 hour
Operating temperature range -40°C to +66°C
Size of junction box, H x W x D 82mm x 80mm x 55mm

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