



GAS 101

Single Channel

Direct input or 3 channel
Addressable Monitoring System

Application

The GAS 101 control panel is a small format system, designed to operate in a full range of environments from building services to process plant and water treatment, where up to 3 fixed gas detector heads are required. The system can be supplied with either a single direct input or up to 3 addressable inputs. The systems are simple to use and utilise modern addressable sensor technology, minimalising installation costs.

Operation

Each Gas sensor continuously monitors the atmosphere reporting any hazardous conditions to the control unit for display by the alpha-numeric screen indicating the reporting sensor and alarm conditions. Alarm levels that are exceeded will automatically activate a signal output to annunciation or other line devices.

The Facts

- Single Channel direct input
- Up to 3 channel addressable inputs
- mV, mA and digital communications
- 2 alarm levels plus fault
- Bright red LED Display
- LED indication for alarm outputs
- System fault indication
- Networked sensors save on installation

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Technical Data

Sensor points	<ul style="list-style-type: none">• 1 direct input or 3 addressable inputs
Measurements	<ul style="list-style-type: none">• Combustible Gas - LEL, % vol• Toxic Gas - ppm• Oxygen - % vol• Any 4-20mA transmitter• Refrigerant - ppm
Dimensions	<ul style="list-style-type: none">• 140mm (w) x 140mm (L) x 70mm (D)
Power Supply	<ul style="list-style-type: none">• 110/240 vAC, 15 watts or 85 - 264VAC, 47 - 63 Hz
Outputs	<ul style="list-style-type: none">• 4-20 mA (max 900 Ohms)• Alarm 1 and 2 and Fault SPCO relays (1 Second update)• Alarm relays rated to 7 amps @ 250v AC non -inductive and 7 amps @ 30v DC non - inductive
Inputs	<ul style="list-style-type: none">• Pellistor, 4-20 mA and RS485 - multidrop addressable
Temperature	<ul style="list-style-type: none">• -5 - 55°C
Humidity	<ul style="list-style-type: none">• 5% - 95% RH non condensing
Accuracy	<ul style="list-style-type: none">• +/- 0.5% FSD
Resolution	<ul style="list-style-type: none">• 1% of FSD
Display	<ul style="list-style-type: none">• 3 digit red LED, 14mm height
Ingress protection	<ul style="list-style-type: none">• IP 54