

# FMC-40

## 1-4 Channel Gas Alarm

The FMC-40 has been designed to operate in the full range of environments from commercial premises through to heavy industrial applications which may require hazardous area sensing.

The FMC-40 system operates on single channels plug and play cards.

## Key Features

- Versatile System Configuration
- Flammable, Oxygen and Toxic Gases
- 1 to 4 sensors
- Plug in sensor channel cards
- Two alarm stages
- Selectable alarm relays
- Analogue 4-20mA output
- Delay to alarm option

## Applications

- Steel mills
- Waste water
- LGP storage
- Paint spray booths
- Chemical plants
- Chemical storage
- Aircraft hangars
- Boiler rooms

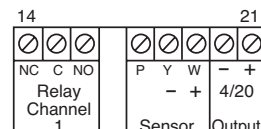
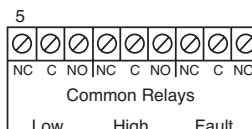
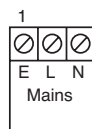
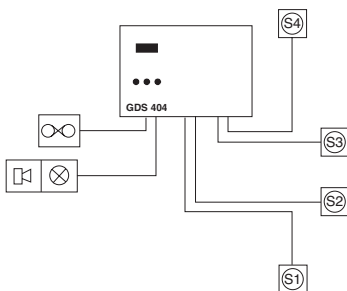


## Specifications\*

<b>Sensor points</b>	1 ~ 4
<b>Measurements</b>	Combustible Gas - L.E.L., % vol, ppm Toxic Gas - ppm, % vol Oxygen - % vol Depletion/Enrichment Any 4~20mA input signal
<b>Power supply</b>	230/115v AC or 24v DC and specials
<b>Power Consumption</b>	12 watts - full alarm
<b>Indicators</b>	Power - Green L.E.D Mains Fail - power indicator change green to amber Alarms - Red L.E.D.s Fault - Amber L.E.D Digital Display - 3 <sup>1</sup> / <sub>2</sub> Digit - gas readout Sensor channel selection indicator - Amber L.E.D System test - Alarm L.E.D.s flashing Alarm Relay Inhibit - Fault L.E.D on
<b>Outputs</b>	High Alarm Relay - Common D.P.C.O Normally energised or de-energised, latched or unlatched Low Alarm Relay - Common D.P.C.O Normally energised or de-energised, latched or unlatched Fault Alarm Relay - Common S.P.C.O Normally energised or de-energised Channel Relays - 1 per channel high or low selectable S.P.C.O Normally energised or de-energised, latched or unlatched General Alarm Relay - resettable S.P.C.O All contacts rated 5A-230vAC Analogue 4 ~ 20mA output per channel Output 24vDC @ 100mA max - auxiliary equipment (non inductive)
<b>Audible Alarm</b>	Permanent mute option. Lo, Hi, Fault alarms
<b>Alarm Settings</b>	Digital Setting (fully adjustable between zero and fullscale) Delay to alarm T1 - 10 seconds, T2 - 30 seconds, T1 + T2 - 10 minutes
<b>Sensor inputs</b>	Bridge type 3 wire mV input 4~20mA (electrochemical/infrared)
<b>Sensor cable</b>	3 core 1.5mm <sup>2</sup> screened < 1.5km
<b>Miscellaneous</b>	EMC approvals EN50270 Marine EN60945 Enclosure - cable entry - bottom/rear Operating temperature -10 to +50°C Relative Humidity 0 - 90% Protection IP52 - option IP65 Dimensions 310W x 265H x 75Dmm / 12.2W x 10.4H x 3.0D" Weight 3.6kg / 7.94 lbs. Optional backup battery Field terminals - 2.5mm quick release System/lamp test Remote Accept/Reset Alarm isolate during service - inhibit

\*Specifications are subject to change

## Field terminals



Repeated for each channel 1~4 terminals 14-21

## Configuration options

- Controller module F05-0021-000
- Controller IP 65 option F05-0022-000
- Alarm card for 4-20mA transmitters F05-3021-000
- Battery back up 1 hour F05-3022-000



## The FMC-40 includes

- FMC-40
- Channel cards as specified
- Instruction manual



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.