

FMC-10

Single Point Gas Alarm

The FMC-10 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.

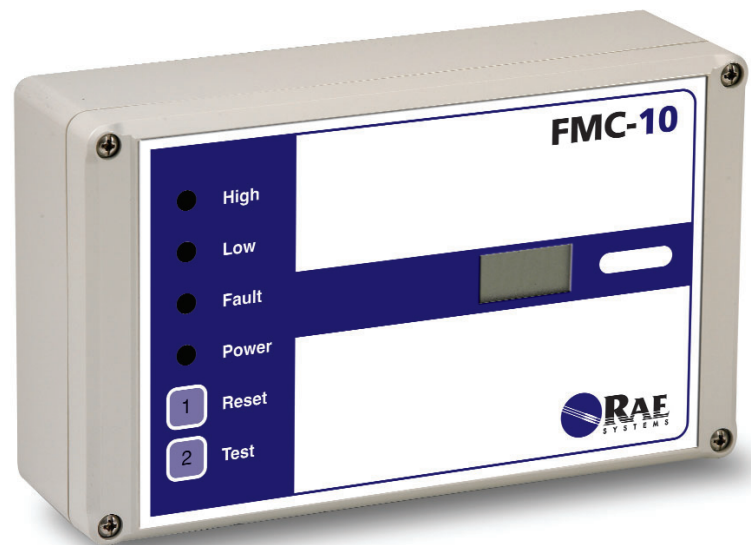
A fixed single point alarm unit that meets the requirements for economic and reliable monitoring of gas levels in a wide range of environments from commercial premises through to heavy industrial applications which may require hazardous area sensing. Typical monitor locations are - public buildings, boiler plant rooms, swimming pools, water treatment works, H&V control systems, manufacturing and process plants.

Key Features

- Flammable, Oxygen or Toxic Gases
- Wall or panel mount
- Two alarm stages + relays
- Internal or remote sensor
- Compact size
- Low power consumption
- 4-20mA analogue output
- Sealed to IP65 rating
- Extensive fault detection circuitry
- Delay to alarm options

Applications

- Petrochemical industry
- Chemical industry
- Storage facilities
- Process plants
- LNP facilities
- Waste water treatment



Specifications*

Measuring Range	Combustible Gas - LEL, % Vol, ppm Toxic Gas - ppm, % Vol Oxygen - % vol - Depletion or Enrichment Any 4~20mA input signal
Indicators	Digital Display 3 1/2 Digit Power - Green L.E.D. Switch on delay power indicator flashing - 45 secs Alarms Lo/Hi - Red L.E.D.s Fault - Amber L.E.D. System Test - Alarm L.E.D.s flashing Alarm relay inhibit - Fault L.E.D. on
Audible Alarm	Low, High and Fault Alarms
Power Supply	230/115v AC 50/60 Hz or 24vDC The two voltages may be utilised simultaneously - stand
Power Consumption	4 watts - full alarm
Outputs	Low, High and fault alarm relays -SPCO normally de-energised - energised option Lo gas alarm relay SPCO normally energised - de-energised option latched or unlatched Fault relay SPCO normally de-energised - energised option All contacts rated 5A - 230v AC 4-20mA/1-5v Output 24vDC @ 100mA max - auxiliary equipment (non inductive)
Alarm Settings	Digital setting (fully adjustable between zero and full scale) Delay to alarm options - 10/30 seconds, 10 minutes
Sensor Inputs	Bridge type 3 wire detector mv (Catalytic) 4-20mA (electrochemical / infrared)
Sensor Cable	3 core 1.5mm ² screened 1.5km
Miscellaneous	Operating temperature -10 to +50°C Storage temperature -10 to 65°C Alarm relay inhibit during calibration Sounder Inhibit System function test switch Dimensions L 200mm H 120mm D 58mm Weight 0.8 kg Protection IP65 Field Terminals - screw type 2.5mm Cable entry - top, bottom, sides, rear

*Specifications are subject to change

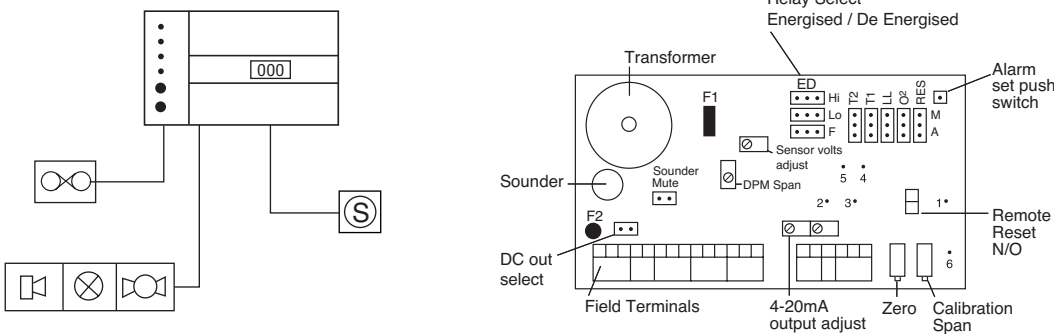
Sensors

Hazardous Area



The FMC-10 includes

- FMC-10
- Instruction manual



Field terminals

1	2	3	4	5	6	7	8	9	10	11	12	13	14
E	L	N	+	-	Nc	C	No	Nc	C	No	Nc	C	No
Mains in			IN/OUT DC		Low Alarm		High Alarm		Fault				

15	16	17	18	19	20
-	+	E	P	Y	W
4-20mA		Sensor			