



FMC-10

Single Point Gas Alarm



The FMC-10 is a single-point controller for fixed gas detection sensors. Simple and economical, the FMC-10 provides accurate and reliable readings from a variety of fixed gas detection sensors, including O₂, H₂S, CO, SO₂, LEL and more. Integrated Low, High, and Fault dry-contact relays provide flexibility in configuring an alarm and safety system. The FMC-10 is easy to configure and provides a real-time display of the gas sensor readings on the integrated LCD screen. The FMC-10 can be either wall or panel mounted.

- Full-Featured single-gas controller
- Unequaled cost-of-ownership value
- Integrated low, high, and fault dry-contact relays
- Real-time readings via LCD display
- Easy to configure and install

KEY FEATURES

Versatile

- Detects flammable, oxygen or toxic gases
- Wall or panel mount
- Two alarm stages and relays
- Compact size
- Low power consumption
- 4-20mA analog output
- Delay to alarm options

Durable

- Extensive fault-detection circuitry

APPLICATIONS

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

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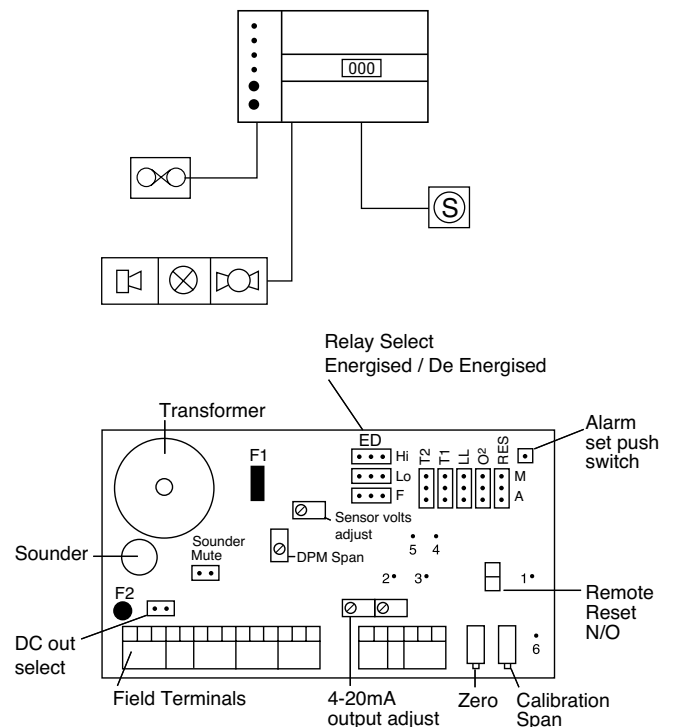
SPECIFICATIONS

Measuring Range	Combustible Gas: LEL, % Vol, ppm Toxic Gas: ppm, % Vol Oxygen: % Vol - Depletion or Enrichment Any 4-20mA input signal
Indicators	Digital Display 3½ Digit Power: Green LED Switch on delay power indicator flashing: 45 secs Alarms Lo/Hi: Red LEDs Fault: Amber LED System Test: Alarm LEDs flashing Alarm relay inhibit: Fault LED on
Audible Alarm (Sounder)	Low, High and Fault Alarms
Power Supply	230/115V AC 50/60 Hz or 24V DC The two voltages may be utilized simultaneously
Power Consumption	4 watts - full alarm
Outputs	Low, high and fault alarm relays: SPCO normally de-energized (energized option) Low gas alarm relay SPCO normally energized (de-energized option) Latched or unlatched Fault relay SPCO normally de-energized (energized option) All contacts rated 5A - 230V AC 4-20mA /1 to 5V Output 24V DC @ 100mA max - auxiliary equipment (non-inductive)
Alarm Settings	Digital setting (fully adjustable between zero and full scale) Delay to alarm options: 10 to 30 seconds, 10 minutes
Sensor Inputs	Bridge-type 3-wire detector mv (Catalytic) 4-20mA (electrochemical/infrared)
Sensor Cable	3-core 1.5mm ² shielded, <1.5km
Miscellaneous	Operating temperature: 14° F to 122° F (-10° C to +50° C) Storage temperature: 14° F to 149° F (-10° C to 65° C) Alarm relay inhibit during calibration Audible alarm inhibit System function test switch Dimensions: 7.9" L x 4.7" W x 2.3" H (200mm x 120mm x 58mm) Weight: 1.75 lbs. (0.8 kg) Protection IP-65 Field Terminals: Screw-type 2.5mm Cable entry: Top, bottom, sides, rear

Specifications are subject to change

SENSORS

Hazardous Area



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		



Sicherheit von Kopf bis Fuss



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