



## CONVENTIONAL DETECTORS

### NATURAL GAS DETECTOR

#### **FDMET400 item no. 80SD2A00121**

##### **Natural gas detector fitted with base with relay output**

The FDMET400 detectors allow to signal the presence of natural gas concentrations lower than the lower explosive limit (L.E.L.), i.e. 10%, long before an explosive mixture is composed. The detector is equipped with a relay alarm output with contact exchange (NO and NC), a malfunction output with optically isolated NC contact and two terminals to connect a power absorption line for conventional control units.

- Supply voltage: 11 ÷ 29 VDC
- Absorption at rest: 60mA at 12 VDC - 30mA at 24 VDC
- Alarm absorption: 70mA at 12 VDC - 40mA at 24 VDC
- Line alarm absorption: 50mA at 24 VDC
- Delay for alarm: 20 seconds
- Delay for alarm reset: 30 seconds
- Alarm threshold for detection: 10% LEL - 0.50% in volume
- Alarm relay output: (NO-NC) 1A, 30 VDC resistive load
- Malfunction output: optically isolated NC contact 20mA, 30 VDC
- Operating temperature: 0 ÷ 40°C (max\* -15 ÷ 55°C)
- Humidity: 30 ÷ 95% (max\* 0 ÷ 95%)
- Weight: 110g
- White ABS casing
- Protection class IP30
- Dimensions Ø 90 x h 48 mm (base included)



FDMET400