INOSENT
GAS DETECTION

IP65

CARBON DIOXIDE-DETECTOR I2608-CO2-I

The Gas detector is designed for the detection of Carbon Dioxide CO2 and provides 2 internal relay outputs for ventilation control and alarm, a 85 dB Alarm buzzer and an LED alarm indicator. The Gas detector provides analogue (4-20mA and 0-10VDC) and digital (Modbus RTU) output signals. The supply of the gas detector is 24 VDC or 230 VAC and can also be operated „standa-lone" without any gas monitor. The light grey ABS plastic enclosure is IP 65 protected and the internal sensor can be easily replaced when its life time is over. Optionally the Gas detector is also available with an remote sensor, integrated display or in a neutral IP20 enclosure for Indoor-Installation.

SPECIFCATIONS ELECTRONICS

SUPPLY: 11...30 VDC (optional 24 VAC or 90...265 VAC) | **POWER CONSUMPTION:** max. 60 mA
WIRING ANALOGUE/DIGITAL: 3×0,75 mm2, shielded, 2×2×0,75 mm2, shielded | **SIGNAL-OUTPUT ANALOGUE/DIGITAL:** 4...20 mA, 0...10VDC, Modbus RTU | **RELAY OUTPUTS:** 2 SPST (250 VAC/ 30 VDC, 5A max) **WEIGHT:** 500 gr | **CERTIFICATES:** CE

SPECIFCATIONS SENSOR

MEASURING PRINCIPLE: Infrared | **MEASURING RANGE:** 0...40'000 ppm
ACCURACY: +/- 3 % of measuring range | **RESPONSE TIME:** t 60: < 60 sec | **OPERATION TEMPERATURE:** -40 °C ...+60 °C | **HUMIDITY:** 0...95 % (non condensing) | **SIGNAL DRIFT:** < 1 % Signal/Month | **APPROX. LIFETIME AT 20°C:** > 10 years, depending on applicaton
CALIBRATION: It is necessary to recalibrate the gas detector at least once a year.

DIMENSIONS AND ELECTRONICS

128.0 mm

57.0 mm

145.0 mm

LED

OUT1 OUT2 0V A B +U = 11...30 VDC | RS485 | L N 90...265 VAC | RE1 RE2

BUZZER

J2 - OUT2 type
J1 - OUT1 type