CC28 Transmitter

Full featured combustible gas detector

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Superior technology

In areas where combustible gas or vapor hazards my exist, GfG's CC28 combustible transmitter is the perfect choice for reliable area monitoring. With its proven design, this ATEX certified transmitter offers an integrated explosion-proof buzzer and bright alarm LEDs for reliable warning of combustible gas hazards (even in hazardous locations). This superior design provides warning for immediate personnel, and ensures entire plant safety.

Easy handling

Smart sensor technology allows easy installation. Sensor replacement takes only a few seconds - simply plug in the sensor. User adjustments are performed at the transmitter with simple touch keys, or with the optional remote control interface (one person calibration).

RC2 remote control

Several combustible gases are lighter than air. With the transmitter mounted close to the ceiling, calibration can be difficult. The remote control for the CC28 allows you to perform calibration or zero adjustments without the need of a ladder or lift. A flexible cable connects the remote control to the transmitter and displays the same reading as the display on the transmitter. With the remote control inspection, service and calibration can be performed easily by one person.

The sensor and the integrated temperature compensation provide the highest measurement accuracy.

Low maintenance requirements and long sensor life reduce your cost of ownership. Just sign a service contract and don't worry about any problems. We will service your systems at regular intervals.

Models

The CC28 D allows you to read the gas concentration both at the transmitter and at the GMA controller. The CC28 DA provides additional warning with bright integrated alarm LEDs and alarm.

Technical Data: CC28 / CC28 D / CC28 DA

Measuring principle:
Catalytic combustion (CC): for flammable gases and vapors (up to 100% LEL)

Gas supply: Diffusion or via flow adapter (flow rate 0.5±0.1 l/min)

Expected sensor life: Sensor dependent

Response time: Sensor dependent

Update time: 1 s

Environmental conditions:
Short-term storage temperature:
  -13 to +140 °F / -25 to +60 °C
Storage temperature:
  +32 to 86 °F / 0 to +30 °C
Operational temperature (ambient):
  -4 to +122 °F / -20 to+50 °C for use in Ex-hazardous areas
  -13 to +131 °F / -25 to +55 °C for use in non-Ex-hazardous areas

Humidity: 5 to 90% r.h.

Pressure: 80 to 120 kpa

Flow rate: 0 to 6 m/s (>3 m/s with wind protection)

Alarms: Only with CC28 DA visual and audible (90 dB @ 10 cm)

Standby delay: <120 s (Self-tests and run-in phase of the sensors)

Power supply:
Supply voltage: 15 to 30 V DC
Maximum supply current: 150 mA
Maximum fault voltage: 250 V AC bzw. 45 V DC (see type label)
Output current: 4-20 mA (max. load 150 Ohm)

Cable connection: Screwing M16x1.5 max. cross section 3 x 1.5 mm$_2$

Cable type and length: LIYCY 3x0.75 mm$_2$ up to 200 m or LIYCY 3x1.5 mm2 up to 1,000 m

Housing: Anti-static plastic

Protection class: IP64

Dimensions: 3.9 x 6.6 x 2 in / 100 x 167.5 x 55 mm (W x H x D)
Height with sensor: 7.6 in / 193 mm

Weight: 28 oz / 800 g (with display)

Approvals / Certifications:
Markings and ignition protection types:
⟨Ex⟩ II 2G Ex demb [ib] IIC T4 Gb -20°C ≤Ta≤+50°C
CE 0158
EU Type Examination Certificate:
  BVS 04 ATEX E 132 X (electrical Ex-Protection)
EU Type Examination Certificate:
  BVS 05 ATEX G 001 X (measuring function)
Electromagnetic compatibility:
  DIN EN 50270
  Interference emission: Type class I
  Interference immunity: Type class II