Gas detection

Fixed Gas Detector, 4–20mA or RS485, Three Relays

Model DW-GD

Fixed gas detector for combustible and toxic gases with LCD display, 4–20 mA or RS485 bus output and three relay outputs, set up by infrared remote control, in an aluminium or stainless steel housing with IP67, for refineries, chemical plants and power stations.



Output
4–20 mA or RS485

Relay output
3 relays

Protection
IP67

Features

- Combustible or toxic gas, natural diffusion sampling
- 4–20 mA analog or RS485 bus digital output
- Three relay outputs: two volt-free contacts and one active relay
- LCD display
- Non-contact setup by infrared remote control
- Smart sensor module, free of calibration, easy to maintain
- Explosion-proof version available on request

Applications

Petroleum and petrochemical industries, Refineries, Chemical plants, Metallurgy, Power industry, Other sites where harmful gases may occur

Specifications

Performance	
Measured variable	Combustible gas, toxic gas
Sampling method	Natural diffusion
Response time	Combustible (LEL): T90 ≤15 s; toxic: T90 ≤30 s

Output	
Output signal	4–20 mA, or RS485 bus (digital)

Relay output	3 relays: 2 volt-free contacts, 1 active relay

Electrical	
Power supply	24 V DC ±6 V
Power consumption	≤2.5 W

Interface	
Display	LCD
Configuration	Infrared remote control
Status indication	Yellow: fault; red: alarm; green: power

Environmental	
Operating temperature	Combustible: −40 to +70 °C; toxic: −20 to +50 °C
Operating humidity	≤95% RH, non-condensing
Atmospheric pressure	86–106 kPa
Ingress protection	IP67
Hazardous-area version	Explosion-proof version available on request

Mechanical	
Housing material	Aluminium alloy (stainless steel optional)
Cable entry	NPT 3/4 (adapters for other sizes)
Dimensions	130 × 154 × 95 mm
Weight	Approx. 1.2 kg (aluminium); 4.2 kg (stainless steel)

Ordering and support

Pricing, samples, lead time and custom versions: xyx@gzdwin.com, +86 181 0280 8901.

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