PRODUCT SPECIFICATION

SAFETYWARE Gas Detection Control Panel

GDF01

- The GDF01 Single-Point Gas Control Panel is an advanced, reliable solution for continuous gas monitoring in industrial environments.
- Designed to connect with a single 4-20mA gas detector, the GDF01 provides real-time monitoring of gas concentrations and immediately triggers visual and audible alarms when levels exceed preset safety thresholds.
- 3 passive relay outputs can be connected to appropriate safety equipment, such as electric fans or valves, to help prevent poisoning, explosions, and fires, thereby ensuring human safety.
- The user-friendly LCD interface features a clear display for straightforward status monitoring and easy configuration.
- With an IP54 ingress protection rating, the control panel is built to withstand dust and water splashes, making it suitable for harsh conditions.

APPLICATIONS

- Hospital
- School
- Parking lot
- Hotel Kitchen
- Gas station
- Cooling Plant
- Water treatment
- Refinery
- Metallurgy
- Chemical Plant

TECHNICAL DATA

POWER	AC220V ± 15%, 50Hz ± 1%
CONSUMPTION	≤10W
VOLTAGE OUTPUT	DC24V ± 25%
WORKING TEMPERATURE	-10℃ ~ +50℃
WORKING HUMIDITY	≤ 95% RH (no condensation)
ALARM METHOD	Visual and Audible
AUDIBLE ALARM	65dB~115dB @ 1m
INGRESS PROTECTION	IP54
RELAY	3 passive replay output for each channel
RELAY CAPACITANCE	2A / AC220V

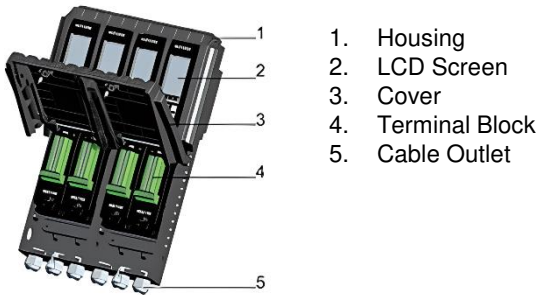|	
CABLE REQUIRED	RVVP3×1.5mm², RVVP4×1.5mm²
TRANSMISSION DISTANCE	≤ 1000 m
INSTALLATION TYPE	Wall mounted, Cabinet type
DETECTOR QUANTITY	Wall mounted type: - 8 channels maximum Cabinet type: - 80 channels maximum
APPROVAL	CE

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ITEM CODE

ITEM CODE	CHANNEL
GDF01-1	1 Channel
GDF01-2	2 Channels
GDF01-3	3 Channels
GDF01-4	4 Channels
GDF01-5	5 Channels
GDF01-6	6 Channels

STRUCTURE

- The GDF01 is available in two structural types: wall-mounted and cabinet-mounted.
- The picture below illustrates the wall-mounted type (4 channels) :

1. Housing
2. LCD Screen
3. Cover
4. Terminal Block
5. Cable Outlet

- The picture below shows the details and explanation of GDF01 panel :

1. LCD Screen
2. LED Lights
3. Buttons

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