8 CHANNELS · 4–20 MA / RS485 · RELAY

TCM-KZ108G

Combustible Gas Control Panel

Monitors gas detectors and drives alarms, fans and valves automatically.

8 Channels | **4–20 mA / RS485** | **3 Relays**



8 Channels Gas detectors
4–20 mA Analog input
RS485 Modbus
3 Relays 10 A
Alarm Sound + light
Backup Li battery
24 VDC Detector power

DESCRIPTION

The **TCM-KZ108G** combustible gas control panel is a wall-mounted controller for 4–20 mA and RS485 gas detectors. It powers the detectors, monitors gas levels and, when an alarm point is reached, its relays switch on alarms, exhaust fans or shut-off valves.

The panel is not explosion-proof and must be installed in a safe area. Typical sites: kitchens, boiler rooms, plants and fuel storage.

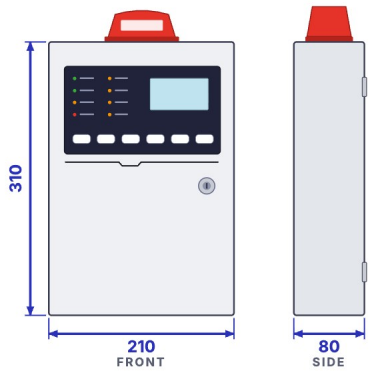
FEATURE

- 8-channel combustible gas monitoring
- Accepts 4–20 mA and RS485 / Modbus detectors
- Supplies 24 VDC power to connected detectors
- LCD shows gas level, alarms and faults per channel
- Visual and audible alarm with top beacon
- 3 relay outputs (10 A) for fans, valves and sirens
- Backup lithium battery during power failure
- Lockable wall-mount cabinet, safe-area installation

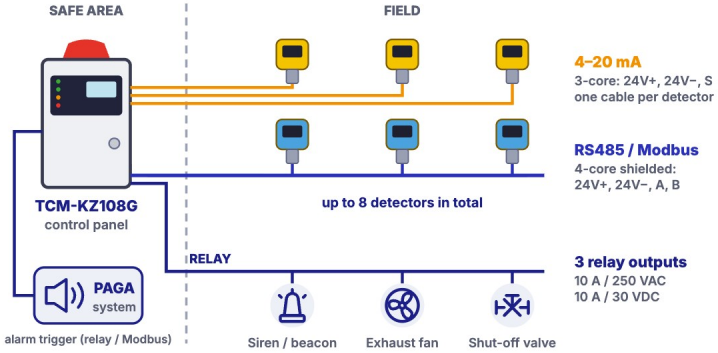
TECHNICAL SPECIFICATION

MODEL	TCM-KZ108G		
Product Type	Combustible gas control panel	**Models**	TCM-KZ108G (1–8 ch)
Detector Inputs	Up to 8 × 4–20 mA or 8 × RS485	**Communication**	RS485, Modbus
Display	LCD and LED indicators	**Alarm Method**	Visual and audible (beacon)
Detector Supply	DC 24 V ± 6 V	**Relay Output**	3 relays, 10 A / 250 VAC, 10 A / 30 VDC
Front Panel	LEDs: main / backup power, mute, alarm, faults; keys: MENU, ←, →, OK, MUTE/ESC, RESET		
Wiring	4–20 mA: 3-core per detector (24V+, 24V−, S); RS485: 4-core shielded bus (24V+, 24V−, A, B)		
Power Supply	AC 220 V ±15%, 50/60 Hz, ≤ 1.2 A	**Consumption**	≤ 25 W
Backup Battery	Lithium 18.5 V, 2000 mAh	**Charge Current**	≤ 0.5 A
Operating Temp.	0 °C to 40 °C, ≤ 95% RH (no dew)	**Installation**	Wall-mounted, safe area only
Dimension	310 × 210 × 80 mm (H × W × D)	**Weight**	Approx. 2.9 kg

DIMENSION (mm)



WIRING & SYSTEM



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