



Data Sheet

Part No:

C1-80DM10



PRODUCT FEATURES

TECHNICAL SPECIFICATIONS

Power supply	220Vac / 50Hz
Direct sensors	16 Direct 4-20mA sensors 3wire
Addressable sensors	64 Modbus sensor 4wire
Cable size	4-20mA 3 core wire 0.7mm Modbus 4 core wire 1.5mm
Internal DC supply	25-28Vdc 5Amp
External DC supply	25-28 Vdc 10Amp min (Power Booster)
Alarm settings	4 Alarm settings High/Low/Fault/24V output Alarm
Available relays	8 selectable relays programmable for Group Configuration. 1 Common Relay preset for all High Alarms 1 Fault Relay for Cable break or sensor fault
Indication	4 Line 40 character LCD screen Alarm LED, Power LED , Fault LED
Enclosure	Mild steel Powder coated enclosure with cabinet Lock IP 64 and optional IP 65

The C1-80 Channel control Panel is designed with a high quality lockable Ip64 enclosure to prevent tampering. The C1 panel is a Modbus 64 channel and a Direct sensor 16 Channel controllers with Modbus output. The C1 Panel is a system that supports a network of up to 16 control panels interfacing with repeater panels, relay panels and various GDSA gas sensors to be monitored on a IOT software system if required.

- IOT interface modules transmitting data to cloud
- Repeater panels can interface at any point
- Programmable relays to group sensor
- Self fault diagnostics and fault identifier

PRODUCT OVERVIEW

The C1 Panel is designed to monitor sensors mounted in a full range of environments from commercial premises through to industrial applications which require hazardous area sensing. Monitor locations are - public buildings, car parks, tunnels, breweries, boiler plant rooms, water treatment works, H&V control, manufacturing, process plants, horticulture, hotels, offices. Please note that the C1 panel is not certified for use in a hazardous environments and is strictly used only to monitor Gas detectors placed in hazardous environments, the panel should be placed inside a suitable IP rated or EX rated enclosure for this purpose. Each sensor connected to the C1 panel will continuously report back to the panel, in the event of a hazardous gas leak the panel LCD will visually display the gas concentration and preset High and Low alarm values, the internal 86 DB alarm buzzer and alarm relays will activate.

