G-ONE

Single Loop EN54 Fire Alarm Control Panel

- Up to 32 G-One, GEKKO, OCTO+ and NODE+ panels can be networked
- Connection to the repeater panels via RS422, Fibre-Optic or TCP/IP
- 250 devices per loop (125 address limit)



Overview

The G-One is a versatile addressable single loop fire control panel with advanced connectivity and is fully CPR certified to EN54-2 and EN54-4. Designed with affordability and flexibility in mind, the G-One combines sophisticated design with easy installation and intuitive commissioning, making it the ideal solution for a wide range of single loop applications, from offices and restaurants, to shops, schools and more.

The G-One incorporates sophisticated Chameleon peer-to-peer multi-master network communications and powerful cause and effect programming capability. It can be networked with up to 32 fire control panels from the GFE range and has a high-integrity digital protocol for resilient high-speed monitoring and data communication with up to 250 devices on a single loop. Easy to install, programme and operate, the G-One can be either surface or recessed mounted.

A unique installer-friendly dynamic, automatic self-learn facility bypasses the traditional manually initiated auto-learn process. Other features include a unique high resolution back-lit blue graphical LCD display, which ensures a clear and effective user interface. The G-One is fully compatible with all GFE-manufactured digital analogue-addressable loop devices and its menu structure is identical to existing GFE panels, ensuring familiarity and ease of operation for users.

Features

- 900mA single loop (digital communication) addressable fire alarm control panel
- Supports all ZYTEQfire manufactured addressable detectors
- 32 individually programmable sounder addresses
- 2 Fire output relays (change-over) and 1 Fault relay (NC)
- 2 Non-addressable (conventional) alarm outputs (individually programmable)
- High integrity loop communication and device monitoring
- 384 fully programmable network zones
- 512 fully programmable alarm (sounder) groups
- 512 I/O groups
- Event log (10 000 events)
- Compatible with all GFE manufactured digital addressable ancillary modules
- High resolution, high contrast backlit blue graphical LCD display (240x64 pixels)
- Programming by integrated tactile keypad or CHAMELEON CONNECTOR software
- Multiple menu selectable language support

- 16 integrated programmable fire zone LED's
- SMS and EMAIL notification by means of TCP IP-WEB interface
- Installer friendly automatic self-learn facility
- CPR Certified to EN54-2 and EN54-4

Technical Specifications

Feature Description	Specification
Power Supply	
Mains Power Supply Rating	90V AC to 230V AC
Primary DC Supply	28.5V DC @ 2.4 A (Max)
Secondary Supply	21.6V DC (Min) - 27.2V DC (Max)
Battery Charger	27.5V DC
Battery Max Capacity (Internal)	Standard box: 2x 12V 7AH Deep box: 2x 12V 12AH
Quiescent Current	52 mA (No Devices)
Loop Specifications	
Max Loop Output Current	1 loop - 900mA alarm peak / 165mA quiescent
Loop Topology	Class A (loop) or Class B (radial)
Loop Cable	Fire resistant 2 x 1.0mm (max 1000m) or 2 x 2.5mm (max 2000m)
Outputs & Relays	
Aux. Power Output	2 x 24V DC 300mA / 1 x 24V switched output
Conventional Sounder Circuits	500mA for conventional sounder circuits a+b
Aux. Relays Fire	1 rated 2A @ 30V DC resistive / 0.5A @ 120V AC resistive / 0.25A @ 240V AC resistive

Feature Description	Specification
Communications & Connectivity	
Communication Channels	2 x configurable communication ports
BMS Outputs	OWL (Graphical software), TCP/IP-WEB (remote web monitoring), MODBUS RTU, ESPA 4.4.4
Software Connection	USB type B
Display & Data Logging	
Graphical LCD Display	High definition, high contrast blue backlit 240x64 pixels
Event Log	10,000 events
Physical & Environmental	
Dimensions	Standard box: 273 (L) x 404 (H) x 107 (W) mm Deep box: 273 (L) x 404 (H) x 142 (W) mm
Weight	1.6 Kg (no batteries)
Colour	White (RAL 9003) - Standard Red (RAL 3001) - Optional Anthracite (RAL 7016) - Optional
Ingress Protection / Material	IP30 / ABS
Operating/Storage Temp	-10°C to +55°C
Humidity	Max. 85% RH Non-Condensing

Ordering Information

Order Code	Part No.	Description
G-ONE	G-ONE	Single Loop EN54 Fire Alarm Control Panel

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