



G-One

SINGLE LOOP EN54 FIRE ALARM CONTROL PANEL



EN54-2 and EN54-4
1328-CPR-0811
CERTIFIED

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.

KEY FEATURES

- 900mA single loop (digital communication) addressable 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)
- Up to 95 VULCAN 2 (addressable) ultra-low current base sounders (32 address limit) per loop.
- 32 individually programmable sounder addresses
- Full Self-Addressing device support
- 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 (10000 events)



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- Compatible with ZEOS, GFE and Apollo™ digital analogue addressable protocols
- 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 USB Loader PC 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

MAINS POWER SUPPLY RATING	90V AC a 230V AC
PRIMARY DC SUPPLY	28.5V DC @ 2.4 A (Max)
SECONDARY SUPPLY	21.6 (Min) - 27.2V DC (Max) - Battery charger: 27.5V DC
BATTERY MAXIMUM CAPACITY (INTERNA)	Standard box: 2x 12V 7AH; Deep box: 2x 12V 12AH
QUIESCENT CURRENT (NO DEVICES)	52 mA
AUX POWER OUTPUT	2 x 24V DC 300mA / 1 x 24V switched output
MAXIMUM 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 1.5mm (max 1200m) or 2 x 2.5mm (max 2000m)
CONVENTIONAL SOUNDER CIRCUITS	500mA for conventional sounder circuits a+b
AUX. RELAYS FIRE	2 x rated 2A @ 30V DC resistive / 0.5A @ 120V AC resistive / 0.25A @ 240V AC resistive
AUX. RELAY FAULT	1 rated 2A @ 30V DC resistive / 0.5A @ 120V AC resistive / 0.25A @ 240V AC resistive
GRAPHICAL LCD DISPLAY	High definition, high contrast blue backlit 240x64 pixels
COMMUNICATION CHANNELS	2 x configurable communication ports
BMS OUTPUTS	ODYSSEY (Graphical software), TCP IP-WEB (remote web monitoring), MODBUS RTU, ESPA 4.4.4
SOFTWARE CONNECTION	USB type B
EVENT LOG	10000 events
OPERATING/ STORAGE TEMPERATURE	-10°C to +55°C
HUMIDITY	Max. 85% RH Non-Condensing
INGRESS PROTECTION / MATERIAL	IP30 / ABS
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), Red (RAL 3001) or Anthracite (RAL 7016)

ORDER CODE

G-ONE	1 LOOP - PSU 2.4A	1328-CPR-0811
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