![ZYTEQ fire logo]

G-One

Single Loop EN54
Fire Alarm Control Panel

CERTIFIED EN 54 CERTIFIED

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

The G-One is a versatile compact addressable Fire Alarm Control Panel which can be surface or recess mounted. The powerful cause and effect programming capabilities along with enhanced system diagnostics performance makes this control panel suitable for a wide range of applications from small to large buildings or sites with complex multiple areas.

With the addition of a network card the G-One incorporates the advanced peer-to-peer, multi-master Chameleon Networking communications protocol. The Chameleon Network can accommodate up to 32 networked fire alarm control panels (NODE's). Each control panel (NODE) has its own internal configuration along with the entire Network configuration backed up, which provides a high level of networking security and resilience required for distributed fire detection and alarm systems.

The G-One fire alarm control panel uses either RS 422 or Fibre Optic communications for the network, which is usually wired in a fault-tolerant loop configuration, providing multi-path system integrity for high speed monitoring and data communication. Additional ethernet interfaces provide further networking options allowing the system to communicate over other infrastructures. The control panel also has the provision to connect to CHAMELEON repeater panels, using any of the networking interfaces of the CHAMELEON Networking protocol.

The high resolution, high contrast backlit blue graphical LCD display provides a clear and effective user interface which can accommodate any type of custom characters or graphical symbols, allowing multiple language support as well as pictorial and customisable elements.

The G-One can be securely accessed remotely via our proprietary ODYSSEY Graphics Interface or our TCPIP-WEB monitoring platform. Integration with third-party Building Management Systems (BMS) is provided via a dedicated Modbus output.

The system programming can easily be done on-site via the onboard navigation keypad or by using the powerful PC CHAMELEON CONNECTOR configuration software which is downloaded to the control panel or broadcast to the network via a USB connection.

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
- Supports up to 125 ZYTEQ Fire ZA830 Multi-Sensors or ZA831 Multi-Sensor Sounder Beacons per loop (subject to loop load calculations)
- 32 individually programmable sounder addresses
- DIP switch addressing for all line devices
- 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 the ZYTEQ Fire digital addressable protocols
- High resolution, high contrast backlit blue graphical LCD display (240 x 64 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 to 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 CAPACITY (INTERNAL)	2 x 12V 7.2AH SLA
QUIESCENT CURRENT (NO DEVICES)	55 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)
CONVENTIONAL SOUNDER CIRCUITS	2 x 500 mA Max current drive for both circuits - Fully monitored
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 240 x 64 pixels
BMS OUTPUT	ODYSSEY (Graphical software), TCP IP-WEB (remote web monitoring), MODBUS RTU, ESPA 4.4.4
SOFTWARE CONNECTION	USB type B
EVENT LOG	10,000 events
OPERATING / STORAGE TEMPERATURE	-10ºC to 50ºC
HUMIDITY	Max. 85% RH Non-Condensing
INGRESS PROTECTION	Surface Mount: IP30, Recessed Mount: IP65
DIMENSIONS	273mm (L) x 404mm (H) x 107mm (W)
WEIGHT	1.6 KG (no batteries)
ENCLOSURE COLOURS	White (RAL 9003) or Red (RAL 3001)

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