OCTO+

1 - 4 LOOP FIRE ALARM CONTROL PANEL

RoHS Compliant

EN54-13 CERTIFIED

CERTIFIED EN54-2 EN54-4

The OCTO+ is a versatile compact addressable Fire Alarm Control Panel which can be surface or recessed 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 NODE+ incorporates the advanced peer-to-peer, multi-master Chameleon Networking communications protocol. The Chameleon Network can accommodate up to 32 networked fire control alarm panels (NODEs). 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 OCTO+ fire alarm control panel uses either RS422 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 control panels, using any of the networking interfaces on the CHAMELEON Networking protocol.

The high contrast backlit blue 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 OCTO+ can be securely accessed remotely via our proprietary ODYSSEY Graphics Interface. Integration with third-party Building Management Systems (BMS) is provided via a dedicated Modbus output.

The system programming can easily be programmed 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 broadcasted to the network via USB connection.

KEY FEATURES

- Expandable from 1 to 4 loops
- Network compatibility with the G-One, GEKKO and NODE+ control panels
- 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)
- 32 individually programmable sounder addresses
- Full Self-Addressing Device support
- 2 Fire output relays (change-over) and 1 Fault relay (NC)
- 2 conventional alarm outputs (individually programmable)
- Loops fully monitored for high integrity
- 384 fully programmable zones
- 512 fully programmable sounder groups; 512 I/O groups
- Event log (10000 events)
- Available with ZEOS digital protocol
- Compatible with all ancillary modules
- Backlit graphical LCD display of 240x64 pixels

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GSS GROUP

- Programming by integrated tactile keypad or Loader PC software
- Multiple language support (menu selectable)
- Integrated 16 LED fire zone indications
- Installer friendly Auto-learn facility
- Certified to EN54 parts 2 and 4
- Approval in EN54 part 13

TECHNICAL SPECIFICATIONS

MAINS POWER SUPPLY RATING	90V a 253V @ 50 Hz 65 W
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
PRIMARY ADD. DETECTION AND ALARM CIRCUIT	28.5V DC
SOUNDERS CONVENTIONAL OUTPUT CIRCUIT	28V DC
BATTERY MAXIMUM CAPACITY (INTERNA)	2x 12V 12AH
QUIESCENT CURRENT (NO DEVICES)	64 mA
AUX POWER OUTPUT	2x 24V DC 300mA / up to 1 x 24V switched output
MAXIMUM LOOP OUTPUT CURRENT	1-4 loop - Max. 165 mA per loop quiescent / Max. 900mA per loop peak
LOOP TOPOLOGY	Class A or Class B
LOOP/SOUNDER CABLE	Firetuf 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	2x 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	3x 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 +50°C
HUMIDITY	Max. 85% RH Non-Condensing
INGRESS PROTECTION / MATERIAL	IP30 / ABS
DIMENSIONS / WEIGHT	345 (L) x 375 (H) x 139 (W) mm / 7.5 Kg - 10,5 Kg (inc. battery)
COLOUR	White (RAL 9003), Red (RAL 3001) or Anthracite (RAL 7016)

For EN54-13 compliance, please check the control panel manual specifications.

ORDER CODE

OCTO+ 1L	1 LOOP - PSU 2.4A	1328-CPR-0786
OCTO+ 2L	2 LOOP - PSU 2.4A	1328-CPR-0786
OCTO+ 3L	3 LOOP - PSU 2.4A	1328-CPR-0786
OCTO+ 4L	4 LOOP - PSU 2.4A	1328-CPR-0786