

OCTO+

1 - 4 Loop Fire Alarm Control Panel

- 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)



Overview

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 OCTO+ 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 OWL 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 CHAMELEON CONNECTOR configuration software which is downloaded to the control panel or broadcasted to the network via USB connection

Features

- Supports all ZYTEQ Fire manufactured addressable detectors
- 32 individually programmable sounder addresses
- 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 (10 000 events)
- Available with ZEOS digital protocol
- Compatible with all ancillary modules
- Backlit graphical LCD display of 240x64 pixels

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

Technical Specifications

Feature Description	Specification
Power Supply	
Mains Power Supply Rating	90 V to 253 V @ 50 Hz 65 W
Primary DC Supply	28.5 V DC @ 2.4 A (Max.)
Secondary Supply	21.6 V DC (Min.) - 27.2 V DC (Max.)
Battery Charger	27.5 V DC
Battery Max. Capacity (Internal)	2 x 12 V 12 Ah
Quiescent Current (No Devices)	64 mA
Outputs	
Primary Addressable Detection & Alarm Circuit	28.5 V DC
Max. Loop Output Current	1 - 4 loop - Max. 165 mA per loop quiescent / Max. 900 mA per loop peak
Sounders Conventional Output Circuit	28 V DC
Conventional Sounder Circuits	500 mA for conventional sounder circuits a + b
Aux. Power Output	2 x 24 V DC 300 mA / up to 1 x 24 V switched output
Relays	
AUX. Relays Fire	2 x rated 2 A @ 30 V DC resistive / 0.5 A @ 120 V AC resistive / 0.25 A @ 240 V AC resistive
AUX. Relay Fault	1 rated 2 A @ 30 V DC resistive / 0.5 A @ 120 V AC resistive / 0.25 A @ 240 V AC resistive

Feature Description	Specification
Loop & Cabling	
Loop Topology	Class A or Class B
Loop / Sounder Cable	2 x 1.0mm (Max. 1000m) or 2 x 2.5mm (Max. 2000m)
User Interface & System Features	
Graphical LCD Display	High definition, high contrast blue backlit 240 x 64 pixels
Event LOG	10 000 events
Communications & Interfacing	
Communication Channels	3 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
Physical	
Dimensions	345 (L) x 375 (H) x 139 (W) mm
Weight	7.5 Kg and 10.5 Kg (inc. battery)
Colour	White (RAL 9003) - Standard Red (RAL 3001) - Optional Anthracite (RAL 7016) - Optional
Material	ABS and Aluminium
Environmental	
Operating Temperature	-10°C to +50°C
Maximum Humidity	85% RH Non-Condensing
Protection Rating	IP30

Ordering Information

Order Code	Part No.	Description
OCTO+ 1L	1328-CPR-0786	1 LOOP - PSU 2.4 A
OCTO+ 2L	1328-CPR-0786	2 LOOP - PSU 2.4 A
OCTO+ 3L	1328-CPR-0786	3 LOOP - PSU 2.4 A
OCTO+ 4L	1328-CPR-0786	4 LOOP - PSU 2.4 A

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