



OCTO+ LB

4-12 LOOP FIRE ALARM CONTROL PANEL

The OCTO+ Fire Alarm Control Panel is built on the pedigree of the worldwide known JUNO NET. Now featuring an advanced full peer-to-peer, multi-master networking solution. This new “Chameleon Network” solution enables extreme resilience in very large distributed systems.

On a Chameleon Network system, each network NODE has, in its internal configuration memory, the whole system information, i.e. in the unlikely event of a communication loss, there is no performance degradation of individual NODE functions.

The network layout is usually configured in a closed loop or having physical multi-paths for communications redundancy, which can use either RS422 or Fibre-Optic mediums. It can also use Ethernet interfaces which can use the existing networking infrastructure.

A Chameleon Network can accommodate up to 32 NODE+ units. Each OCTO+ LB (Large Box) can support from 4 to 12 addressable loops giving a total of 128 loops in a single system! Naturally, it also supports remote access with our proprietary ODYSSEY Graphics Interface, as well as integration with third party Building Management Systems through a Modbus output.

The graphic backlit LCD display accommodates any type of custom characters or graphic symbols, allowing multi-language support, as well as pictorial and customisable elements.

Housed in a large aluminium back box, it comprises a PSU, a Front End Display for visualisation of the C&I equipment status, a NODE+ unit with the loop card fitted and networking interfaces if necessary. In this cabinet there is enough space for a total of 2 x 24V DC 12Ah Sealed Lead Acid backup batteries, more than enough to provide up to 72H battery supply to the NODE+ and ZEOS associated devices which boast extremely low current consumption (use our LOOP & BATTERY CALCULATOR software, available free of charge via our website).

The “Cause and Effect” programming as well as customer specific Configurations, can be uploaded to the panel using the CHAMELEON CONNECTOR software tool. This is done by USB connection. Later the updated panel can broadcast the same configuration to all other Chameleon Network panels.

KEY FEATURES

- Expandable from 4 to 12 loops
- Connection to the repeater panels via RS422, Fibre-Optic or TCP/IP Chameleon interfaces
- Maximum 125 devices per loop (500 devices per Node)
- Up to 95 VULCAN 2 (addressable) ultra low current base sounders (32 address limit) per loop
- 32 individually programmable sounder addresses per loop
- Full Self-Addressing Device support
- Max. 6 Fire output relays (change-over) and 3 Fault relay (NC)
- Max. 6 conventional alarm outputs (individually programmable)
- Fully monitored loops for high integrity OC / SC
- 384 fully programmable zones across all loops
- 512 fully programmable sounder groups, across all loops
- 512 I/O groups across all loops
- Built-in printer (*optional*)
- Available with ZEOS digital protocol
- Compatible with all ancillary modules
- Programming by integrated tactile keypad or Connected PC software (*WIN & MAC compatible*)
- Multiple language support (menu selectable)
- Optional Integrated 128 LED fire zone indications (available in blocks of 64 LEDs)
- Installer friendly Auto-learn facility

TECHNICAL SPECIFICATIONS

POWER SUPPLY RATING	90V AC to 230V AC
PRIMARY DC SUPPLY	28.5V DC @ 7.5 A (Max.) / 28.5V DC @ 10 A (Max.)
SECONDARY SUPPLY	21.6V DC Min. - 27.2V DC Max. - Battery charger: 27.5V DC
BATTERIES (INTERNAL)	2 x 24V 12 AH (Max.)
QUIESCENT CURRENT (NO DEVICES)	75mA / 125mA/ 175mA (4, 8 and 12 Loops)
AUX POWER OUTPUT	24V DC: 900 mA total (300mA each NODE, having up to 3 switched outputs)
MAXIMUM LOOP OUTPUT CURRENT	4 to 12 loops - Max. 165mA per loop quiescent / Max. 900mA per loop peak
LOOP TOPOLOGY	Class A or B
DETECTOR CABLE	Firetuf 2 x 1,5 / max 2,000 m or 2 x 2,5mm / max 3,000m
CONVENTIONAL SOUNDER CIRCUITS	up to 6500mA Max. current drive for both circuits - Fully monitored
AUX. RELAYS FIRE	up to 6 rated 2A @ 30V DC resistive / 0.5A @ 120V AC resistive / 0.25A @ 240V AC resistive
AUX. RELAY FAULT	up to 3 rated 2A @ 30V DC resistive / 0.5A @ 120V AC resistive / 0.25A @ 240V AC resistive
GRAPHICAL LCD DISPLAY	240x64 pixels blue backlit
ZONE LEDS	Maximum 128 Zone LED / blocks of 64 LED
COMMUNICATION CHANNELS	3x configurable communication ports and per each NODE
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 messages
OPERATING / STORAGE TEMPERATURE	-10°C to 50°C
HUMIDITY	Max. 85% RH Non-Condensing
PROTECTION / MATERIAL	IP30 / Aluminium
DIMENSIONS	610 (L) x 420 (H) x 179,1 (W) mm
WEIGHT	6,1 Kg (no batteries)
COLOUR	White (RAL 9003) or Red (RAL 3001)

ORDER CODE

OCTO+ 4Loops LB	PSU 4.5A
OCTO+ 5Loops LB	PSU 4.5A
OCTO+ 6Loops LB	PSU 4.5A
OCTO+ 7Loops LB	PSU 4.5A
OCTO+ 8Loops LB	PSU 4.5A
OCTO+ 9Loops LB	PSU 7.5A
OCTO+ 10Loops LB	PSU 7.5A
OCTO+ 11Loops LB	PSU 7.5A
OCTO+ 12Loops LB	PSU 7.5A