



## NODE

### Expansion Board for JUNO-NET systems

The NODE allows expansion of the JUNO-NET system in groups of 1 to 4 loops.

It can be supplied as a standalone unit or in an enclosed cabinet, which contains a 2,3 A PSU/ Charger unit and space for standby rechargeable batteries. One RS422/RS485, Fibre Optic or TCP/IP interface is required per cabinet to enable networking with the rest of the system.

Each NODE mainboard controls up to four Analogue Addressable Detection Loops via its own independent processor. In the event of communication failure with the main control unit, the NODE is capable of operating independently, detecting Fire/Fault events and activating connected sounders and internal relays.

#### TECHNICAL SPECIFICATIONS - Standalone NODE

PRIMARY SUPPLY	2.3A @ 28.5V DC nominal
POWER SUPPLY RATING	65 W
SECONDARY SUPPLY	28V DC nominal
BATTERIES	N/A
QUIESCENT CURRENT (NO DEVICES)	80 mA
AUX POWER OUTPUT	28V DC 300 mA
LOOPS	1 to 4 - max 275 mA/ Loop
CONVENTIONAL SOUNDER CIRCUITS	1A max current drive for both circuits - Fully monitored
AUX. RELAYS FIRE/ sub-panel	2x SPDT; rated 2A @ 30V DC resistive / 0.25A @ 230V AC resistive
AUX. RELAY FAULT/ sub-panel	1x NC; rated 2A @ 30V DC resistive / 0.25A @ 230V AC resistive
OPERATING TEMPERATURE	0°C to +50°C
STORAGE TEMPERATURE	-10°C to +50°C
DIMENSIONS	113 (L) x 187 (W) x 26 (H) mm
WEIGHT (NO BATTERIES)	0.3 Kg



ORDER CODE	
NODE MB	NODE MOTHERBOARD
NODE-1L	NODE W/ 1 LOOP
NODE-2L	NODE W/ 2 LOOPS
NODE-3L	NODE W/ 3 LOOPS
NODE-4L	NODE W/ 4 LOOPS

TECHNICAL SPECIFICATIONS - Boxed NODE	
MAINS SUPPLY VOLTAGE	85-265V AC, 50/60 Hz
INTERNAL POWER SUPPLY	2.3A @ 28.5V DC nominal
POWER SUPPLY RATING	65 W
SECONDARY SUPPLY	28V DC Nominal
BATTERIES	2 x 12V 12AH VRLA
QUIESCENT CURRENT (NO DEVICES)	80 mA
AUX POWER OUTPUT	28V DC 300 mA
LOOPS	1 to 4 - max 275 mA/ Loop
CONVENTIONAL SOUNDER CIRCUITS	1 A max current drive for both circuits - Fully monitored
AUX. RELAYS FIRE/ sub-panel	2x SPDT; rated 2A @ 30V DC resistive / 0.25A @ 230V AC resistive
AUX. RELAY FAULT/ sub-panel	1x NC; rated 2A @ 30V DC resistive / 0.25A @ 230V AC resistive
OPERATING TEMPERATURE	0°C to +50°C
STORAGE TEMPERATURE	-10°C to +50°C
HUMIDITY	Max. 85% No condensation
PROTECTION	IP30
DIMENSIONS	375 (L) x 345 (W) x 139 (H) mm
WEIGHT (NO BATTERIES)	4.5 Kg

ORDER CODE	
J-NET-SPX-001-NODE	1 LOOP - 2.3 A PSU
J-NET-SPX-002-NODE	2 LOOPS - 2.3 A PSU
J-NET-SPX-003-NODE	3 LOOPS - 2.3 A PSU
J-NET-SPX-004-NODE	4 LOOPS - 2.3 A PSU