

# 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.

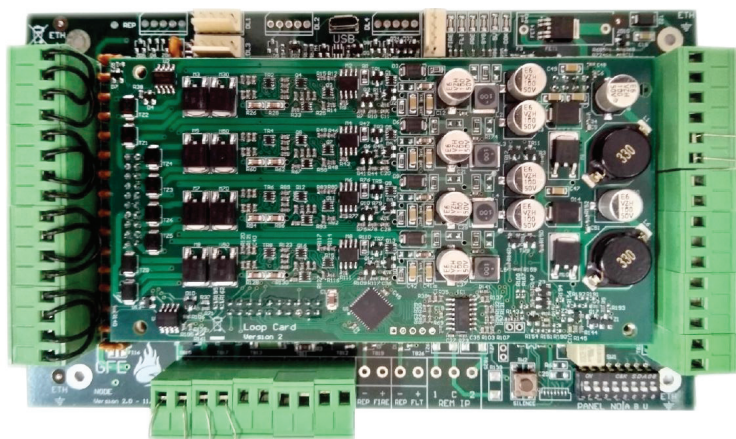
Each NODE mainboard controls up to four Analogue Addressable Detection Loops via its own independent processor. In the event of communication failure with the main control unit, the NODE

### 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  |



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### 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 |

#### Global Fire Equipment SA

Sítio dos Barrabés, Armazém Nave Y, Caixa Postal 908-Z  
8150-016 São Brás de Alportel. PORTUGAL

Telephone: (00351) 289 896 560 / Email: info@globalfire-equipment.com / Web: www.globalfire-equipment.com



GSS GROUP