

# ICN022

**Gateway Interface Module for translating, encrypting and interfacing OEM information**

- Full data encryption of OEM and system status information
- Supports a range of OEM fire panel protocols
- Captures and formats analogue data for remote monitoring
- Supports a local MODBUS network for increased input/output connectivity



## FEATURES

- Provides a range of interfaces between the OEM products (for example, fire panel) and Gateways:
  - RS-232
  - RS-485
  - Ethernet/LAN
- Supports networking of up to fifty ICN022 nodes, via the ICNS internal bus protocol (IIBP)
- Translates transducer information into the ICNS internal bus protocol (IIBP)
- Configuration settings and diagnostic information available via a USB interface
- Supports external OEM BMS protocols to manage the transfer of event information
- Protocol types supported:
  - Proprietary MODBUS
  - OEM Proprietary protocol (OEMP-X)
  - Input for external relay status monitoring (for example, status contacts on an extinguishing panel)
  - Output via voltage free contacts (for example, to turn on a strobe light or siren)
- Front fascia LEDs to indicate system status
- DIN rail mountable

### ICNS Global Ltd United Kingdom

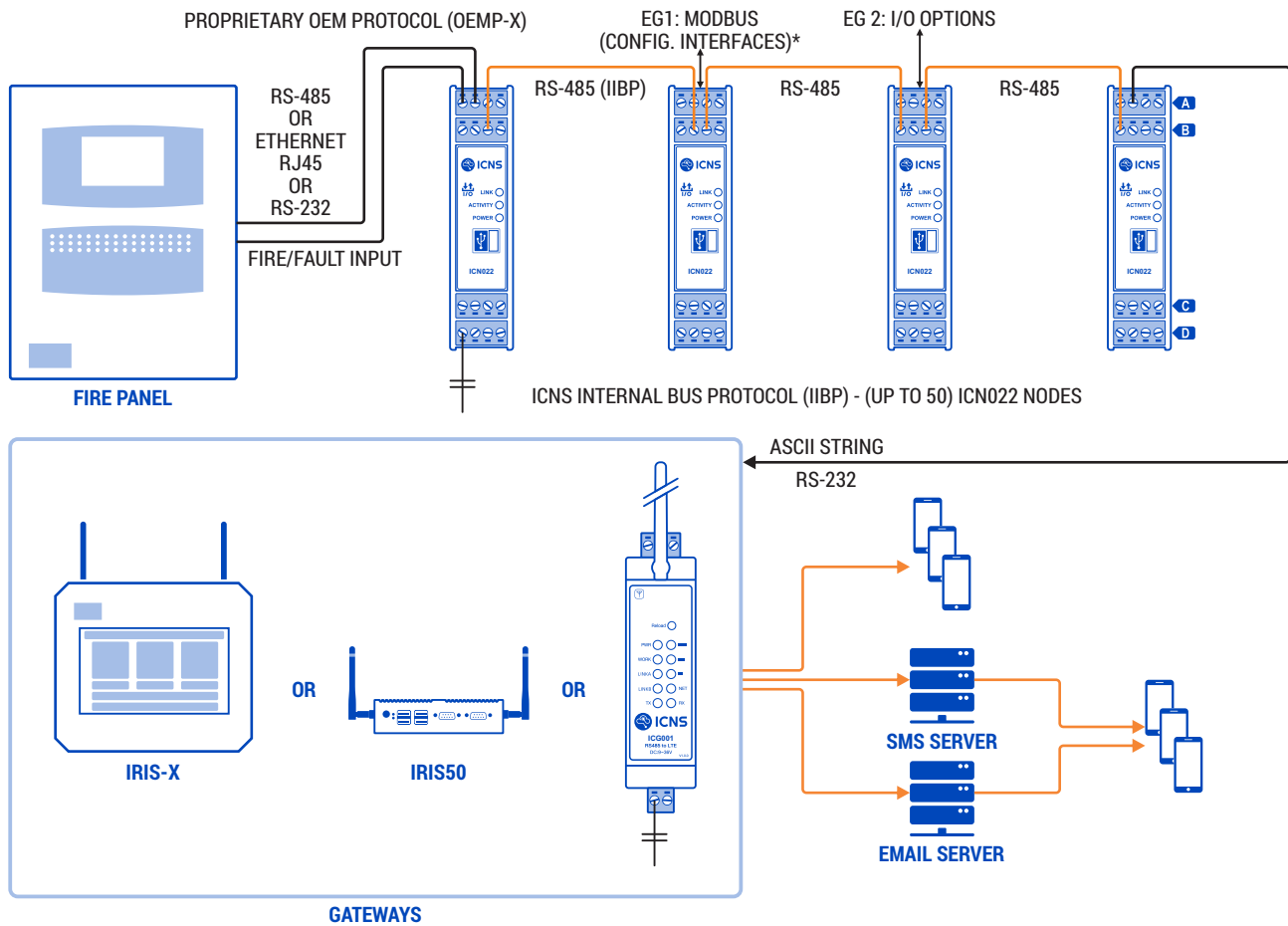
8A Brooklands Road, Sale, Cheshire, M33 3SQ UK  
Tel: +44 (0) 161 302 9788  
marketing@icnsglobal.com | icnsglobal.com

### ICNS (Pty) Ltd South Africa

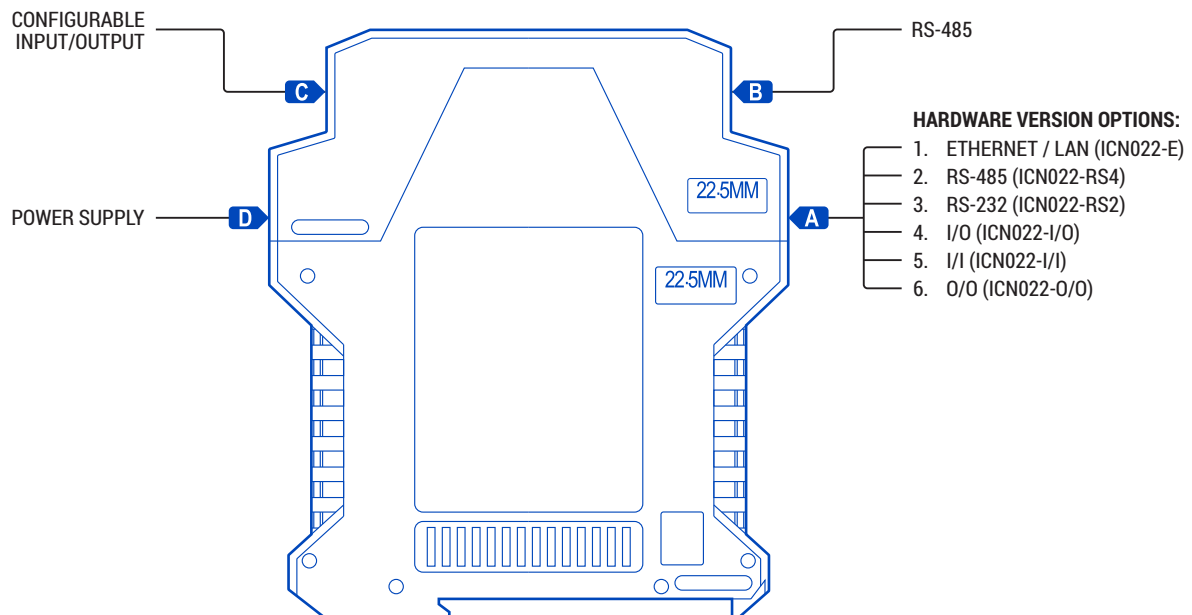
21 Diaz Street, Somerset West, 7130, South Africa  
Tel: +27 (0) 84 589 6821  
marketing@icnsglobal.com | icnsglobal.com

501-ICN022-ICN-D-01

## MULTI-INPUT EVENT NOTIFICATION

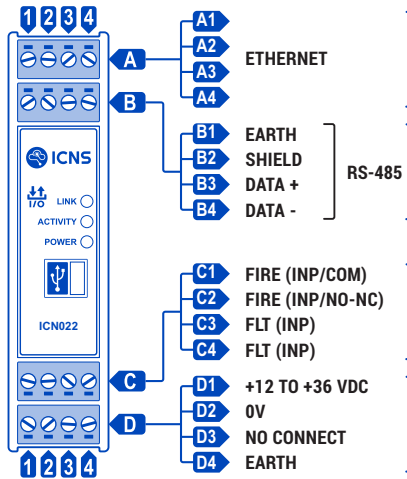


## CONFIGURABLE INTERFACES

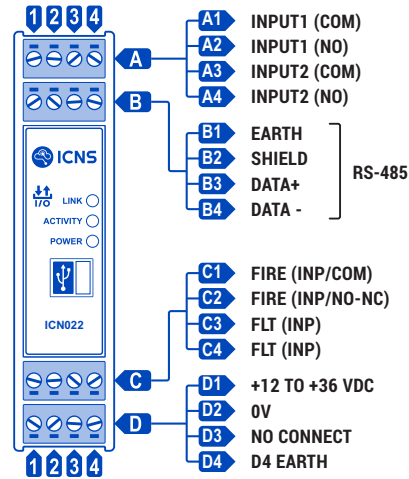


## WIRING DIAGRAM

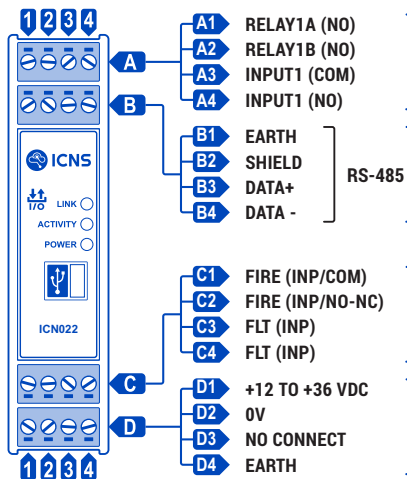
### ETHERNET



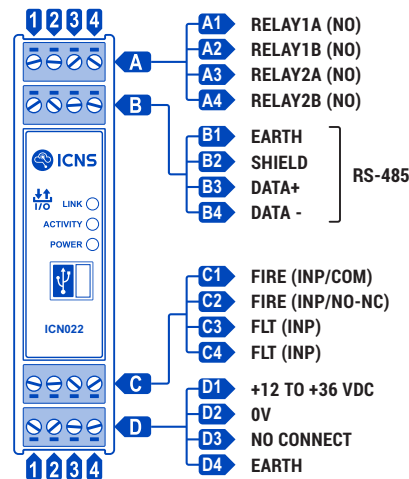
### INPUT/INPUT



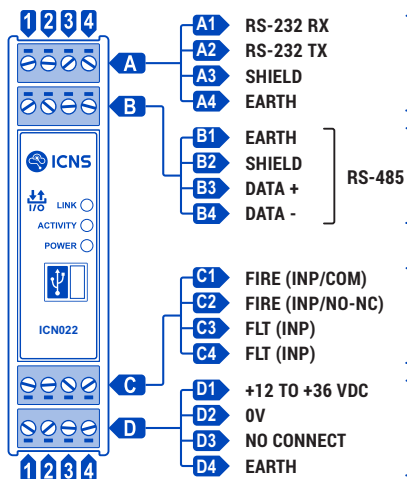
### INPUT/OUTPUT



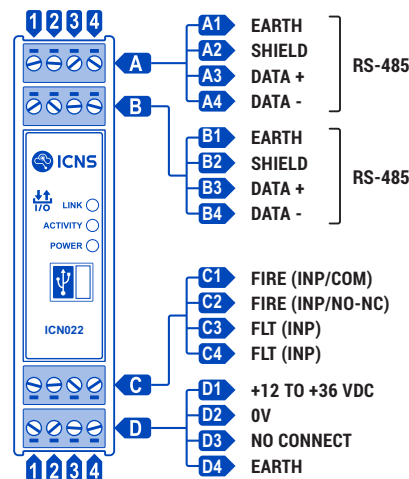
### OUTPUT/OUTPUT



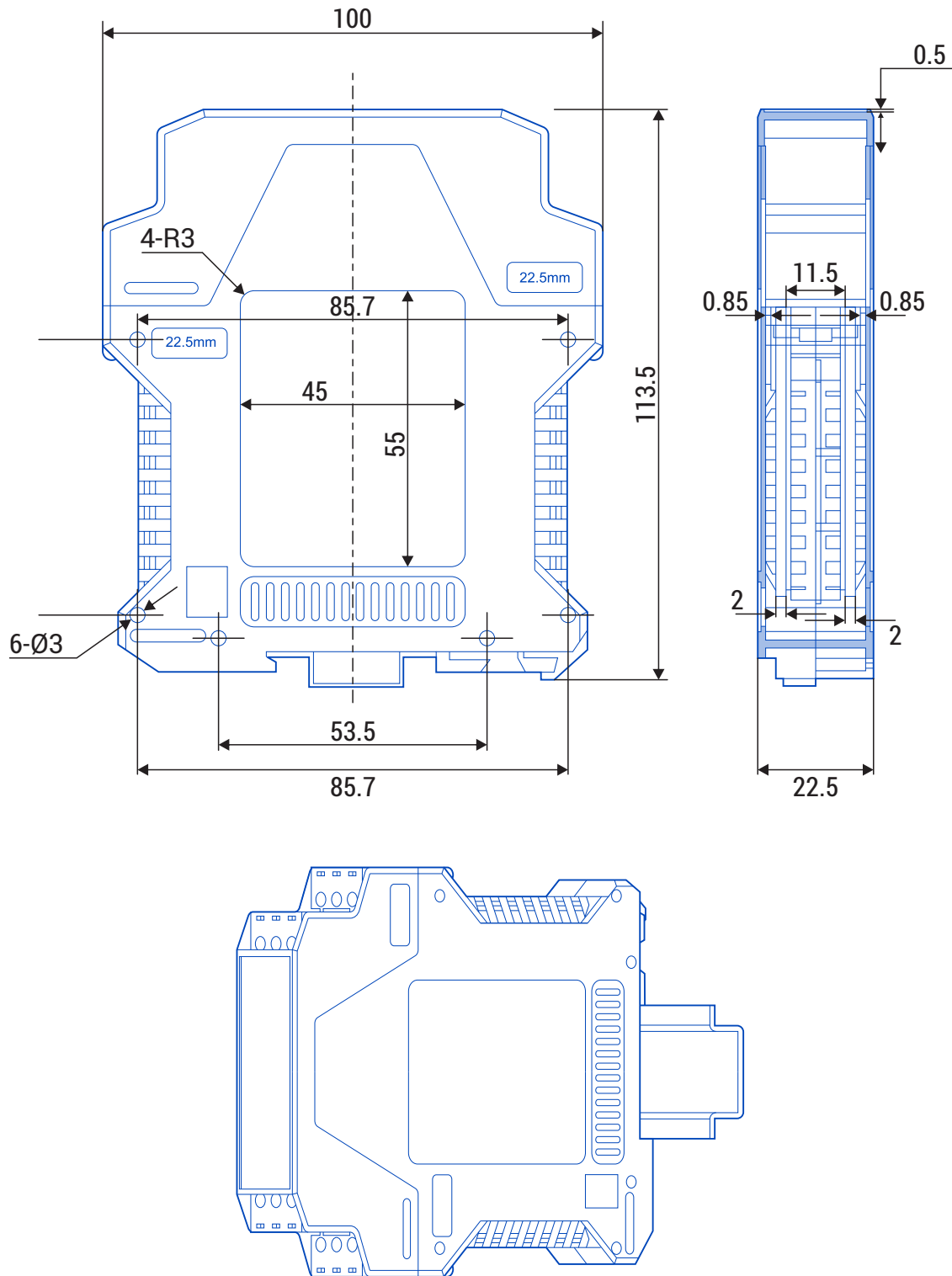
### RS-232



### RS-485



## DIAGRAM



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## SPECIFICATIONS

### DIMENSIONS

|             |                        |
|-------------|------------------------|
| Dimensions: | 99.1 X 111.9 X 22.5 mm |
| Weight:     | 200g                   |
| Mounting:   | DIN Rail               |

### POWER

|                    |                            |
|--------------------|----------------------------|
| Operating voltage: | 18 to 36V (24V DC nominal) |
| Current Rating:    | 150mA (at 24V)             |

### INTERFACES

|                                             |                                                                                                      |
|---------------------------------------------|------------------------------------------------------------------------------------------------------|
| Configurable:                               | Ethernet; Input/Input; Input/Output; Output / Output; RS-232; RS-485                                 |
| Port A:                                     | 1 - 4 Configurable (see wiring diagrams)                                                             |
| Port B (RS-485):                            | 1 - Earth<br>2 - Shield<br>3 - Data+<br>4 - Data -                                                   |
| Port C (I/O):<br>(Refer to jumper settings) | 1 - Fire (INP1) OR OUTP (COM)<br>2 - Fire (INP2) OR OUTP (NO/NC)<br>3 - FLT (INP1)<br>4 - FLT (INP2) |
| Port D (PSU):                               | 1 - +12V TO 36V DC,<br>2 - 0V,<br>3 - No Connect,<br>4 - Earth                                       |
| Baud Rate:                                  | 9600 to 115200 (selectable / configurable)                                                           |
| USB:                                        | USB Micro-B connection (device / slave Mode)                                                         |

### TEMPERATURE

|            |             |
|------------|-------------|
| Operating: | -10 to 50°C |
| Storage:   | -40 to 70°C |

### AGENCY APPROVALS AND STANDARDS

CE, UKCA, RoHs, WEEE compliant  
EMC: EN 61000-6-2  
EMC: EN 61000-6-4  
Safety: EN 60950