

ICN023

Gateway Interface Module for translating,
encrypting and interfacing OEM information



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 128 ICN023 or ICN024 nodes, via the ICNS internal bus protocol (IIBP)
- Relay outputs are status monitored
- Inputs are designed for use with End-of-Line (EOL) monitoring
- 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

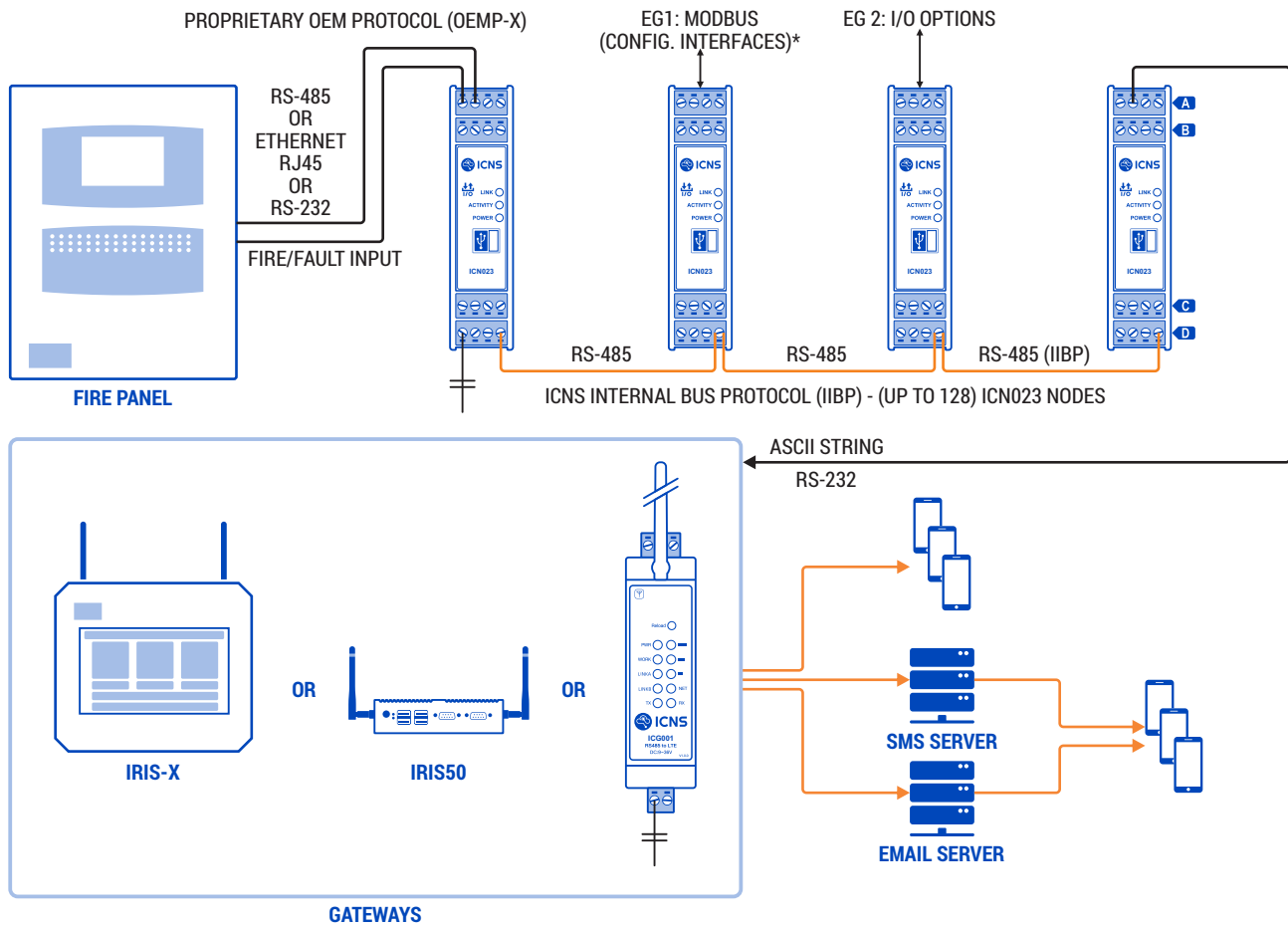
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Tel: +44 (0) 161 302 9788
marketing@icnsglobal.com | icnsglobal.com

ICNS (Pty) Ltd South Africa

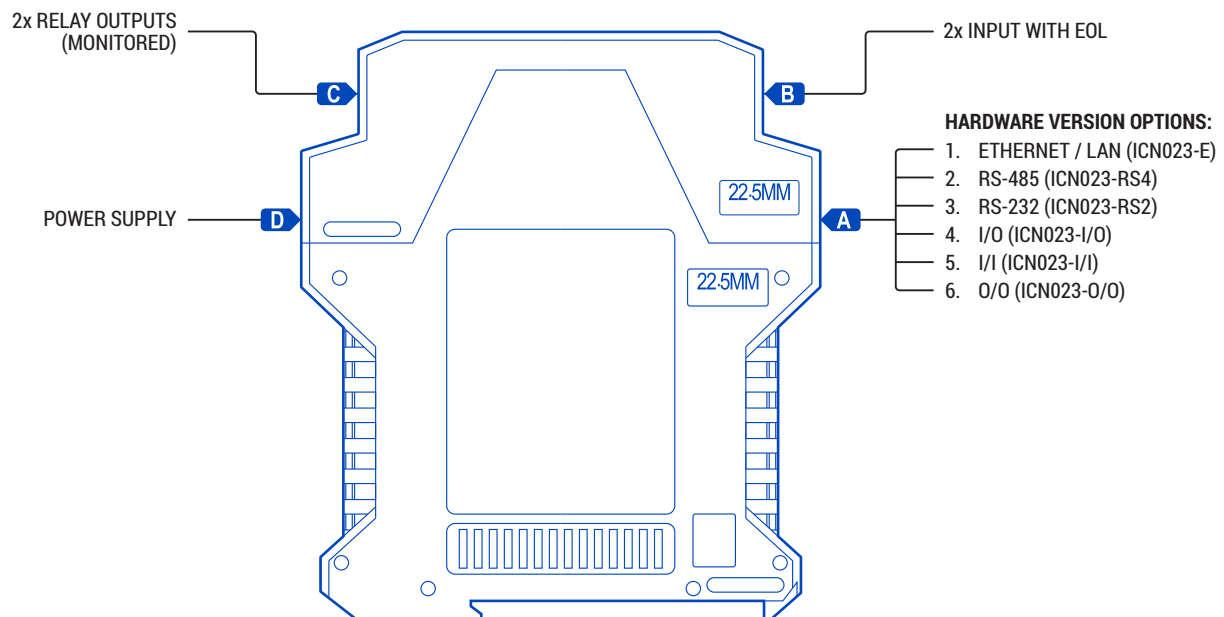
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501-ICN023-ICN-D-01

MULTI-INPUT EVENT NOTIFICATION

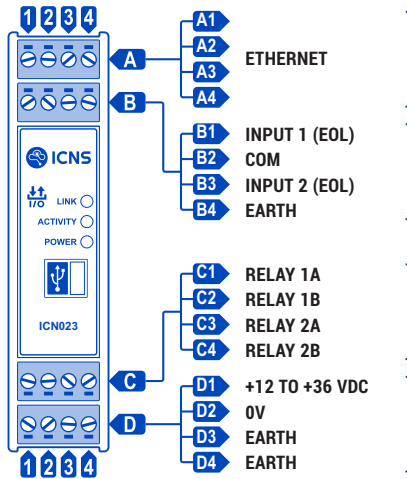


CONFIGURABLE INTERFACES

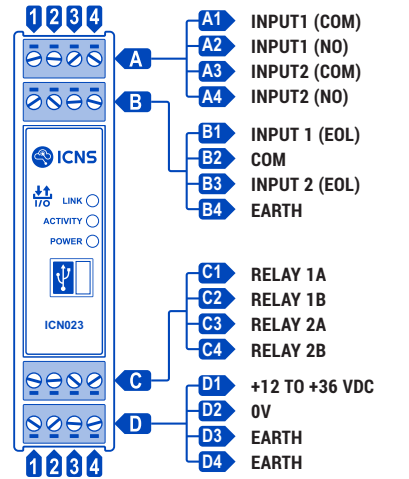


WIRING DIAGRAM

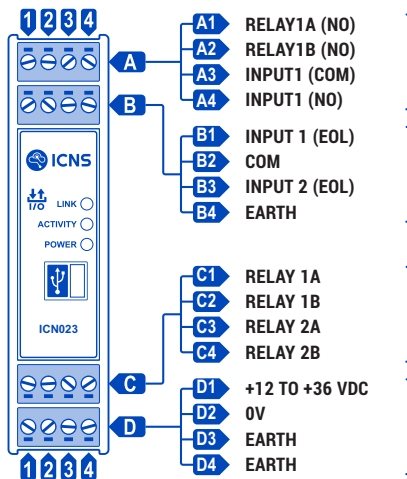
ETHERNET



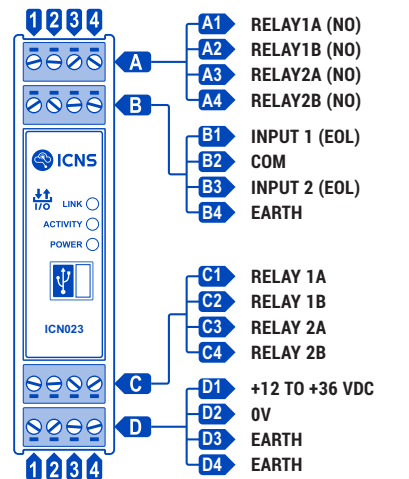
INPUT/INPUT



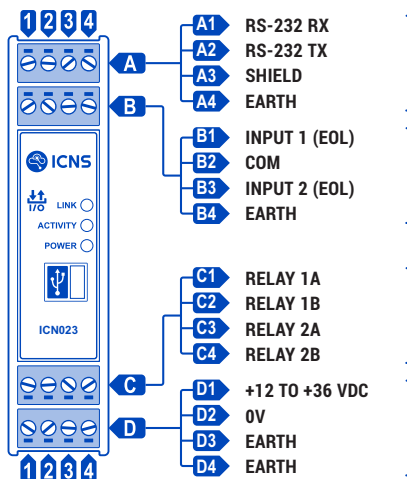
INPUT/OUTPUT



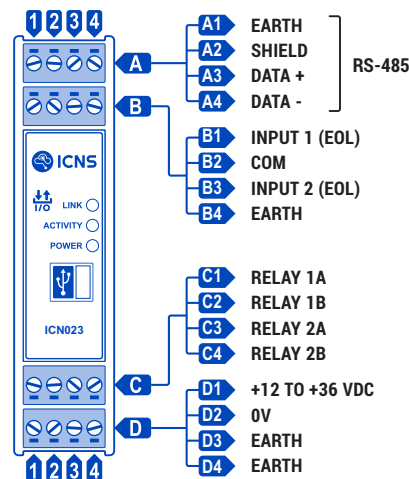
OUTPUT/OUTPUT



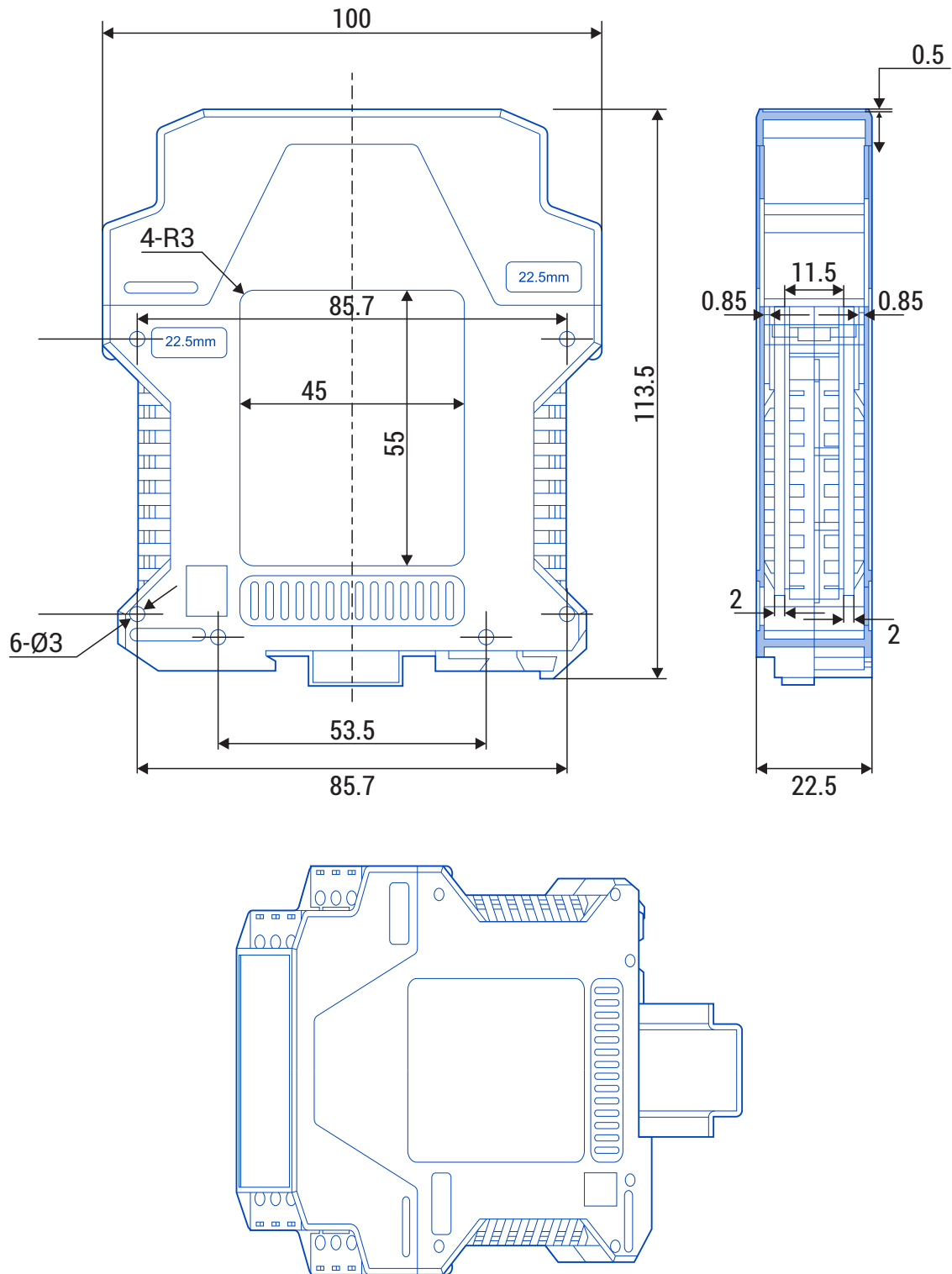
RS-232



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 - INPUT 1 WITH EOL	MONITORED	
	2 - COM		
	3 - INPUT 2 WITH EOL		
	4 - EARTH		
Port C (I/O): (Refer to jumper settings)	1 - RELAY 1A	MONITORED	
	2 - RELAY 1B		
	3 - RELAY 2A		
	4 - RELAY 2B		
Port D (PSU):	1 - +12V TO 36V DC,		
	2 - 0V,		
	3 - EARTH		
	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