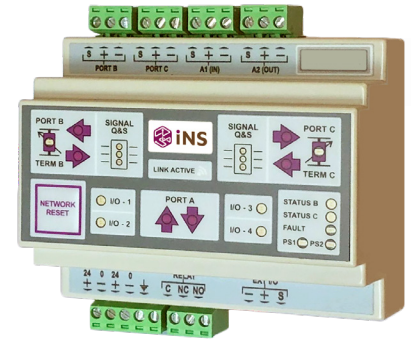# DNX-A-2R-K

iNS RS485 Dynamic Network Analyser

Features

▸ Independent reporting with Class A communication redundancy with multiple fault tolerance

▸ 2.5 kV galvanic isolation on all ports

▸ Dual and single industrial equipment RS485 connection

▸ 4 independent I/O channels across the redundant network ring for independent protocol redundancy

▸ Can operate on Hosted Fibre /Ethernet links

▸ Simple LED system status indication

▸ Signal quality and amplitude visual indication

▸ Wireless connectivity for remote monitoring using a Bluetooth or WiFi interface

▸ Supports the generation of system performance reports for Installation commissioning

▸ Visual interface provide by IVIEW the graphical user interface with monitoring, diagnostics and reporting options

▸ Enables preventative maintenance management through system degradation monitoring

▸ Configuration and commissioning parameters are stored allowing for system performance tracking over time

▸ Baud rate selectable from 9600-115200 bits/sec

▸ DIN rail mounting

Description

The DNX-A-2R-K is an RS485 Dynamic Network Analyser for Ring Topology Networks. This product has been developed to facilitate dynamic network management through the provision of an independent communication layer.

The equipment is designed to improve the Quality of Service (QoS) of critical communication networks while operating under the performance criteria required by EN54-13 and BS5839 part 1.

The ports connected to the communications ring, are correctly terminated to match the network communications cable impedance to ensure optimum signal quality and amplitude.

Signal quality is constantly monitored and the termination impedance is adjusted to compensate for changes in cable impedance due to climatic or physical cable parameter changes.

Four Input/Output interfaces are provided for through an independent communications layer. This feature provides a basic redundant network protocol with the mapping configuration managed through the PC graphics IVIEW programming tool.

An upgrade license DNX-R-2R-K-UG is available for this module which enables compatibility with IVIEW graphical software for network analysis support.

iNS Products	
DNX-A-2R-K	iNS RS485 Dynamic Network Analyzer
DNX-R-2R-K-UG	iNS Upgrade license for network support analysis (DNX-A-2R-K)

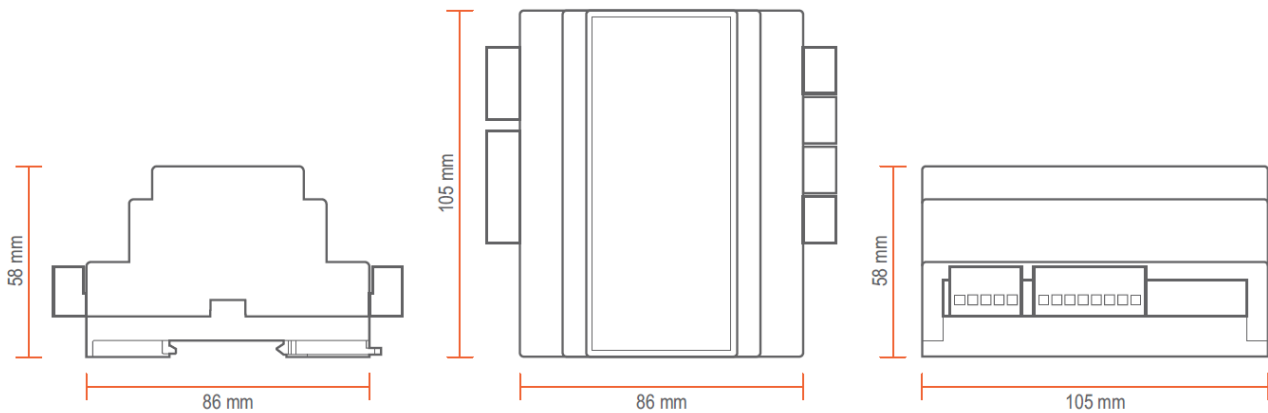| iNS Accessories	
IVIEW-S-U01	iNS I-View maintenance & diagnostic software - Single PC Site Restricted Perpetual Licence (for connecting to a single local network)
IVIEW-E-U01	iNS I-View maintenance & diagnostic software - Single PC Annual Engineering Licence (engineering laptop for use on multiple networks)

Specification

Operating Voltage	18 to 36V (24V DC nominal)
Rated Current	250mA (at 24V)
RS485	Port A1: Fixed Termination Port A2: Fixed Termination Port B: Dynamic Termination Port C: Dynamic Termination Port A, B, C and I/O bank: Isolated (2.5kV)
USB	USB Micro-B connection (Device / Slave Mode)
Operating Temperature	-10 to 50°C
Storage Temperature	-40 to 70°C
Agency Approvals and Standards	CE, RoHs, WEEE compliant
EMC	EN 61000-6-2, Immunity Standard (Industrial Environments) EN 61000-6-4, Emission Standard (Industrial Environments)
Safety	EN 60950, IT Equipment
Dimensions	105 X 58 X 86 mm
Weight	200g
Mounting	DIN Rail. EN60715 (width 35 mm)

Dimensions (mm) (Not to Scale)

58 mm | 86 mm | 105 mm | 86 mm | 58 mm | 105 mm

Kentec
Electronics Ltd

For further information visit www.kentec.co.uk