

RIM100E-K

Remote interface module for interfacing RS485 and RS232 communication to Ethernet



Features

- ▶ Installed in conjunction with the RIM100M-3-K they work together as a pair to provide bi-directional monitoring of fire and fault relays across an Ethernet link
- ▶ Once fitted, the module is transparent to the user
- ▶ Provides a simple LAN communication channel easy to install and debug
- ▶ Routing of data between RS232/RS485 is selectable and configured using a simple USB interface
- ▶ Product is DIN rail mountable
- ▶ Serial port baud rates supported range from 300bps to 1024Kbps
- ▶ status on data activity
- ▶ Front fascia LEDs system status indication
- ▶ The RIM100E-K has a built-in web page for configuring the device
- ▶ An RJ45 status indicator light is used to provide Wireless Connectivity for remote monitoring using a Bluetooth or WiFi communication connection
- ▶ Diagnostic information available via a USB interface support for Auto-MIDX function, discretionary connect cross-over or direct network cable, automatic switching



Description

The RIM100E-K provides a protocol independent Ethernet communication channel. The module supports TCP Server, TCP Client, UDP and UDP Server Ethernet protocols.

The RIM100E-K, is designed to provide a selectable RS485/RS232 interface to Ethernet. The module supports airing of modules to introduce a transparent data link which can be set to monitor the link and indicate loss of the link via an output relay.

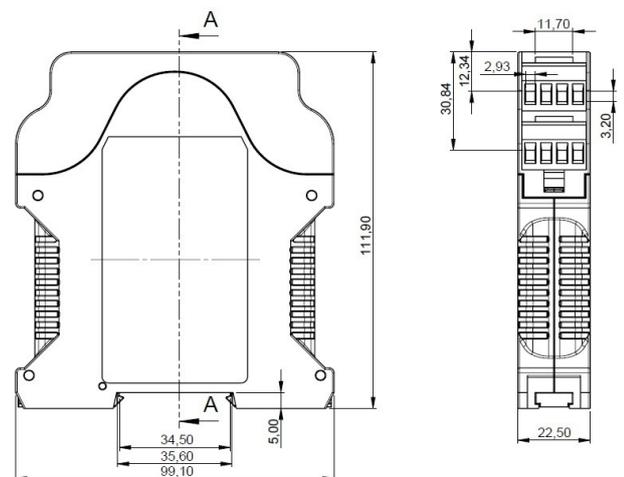
The module is housed in a DIN rail mountable enclosure with LED status indication visible on the front fascia of the module.

The equipment is designed to include an activity “heartbeat” signal for monitoring by any third-party application to which it is interfaced.

The RIM100E-K is approved for use with the IVIEW fire system monitoring application tool.

Specification

Dimensions	99.1 X 111.9 X 22.5mm
Weight	200g
Mounting	DIN Rail
Operating Voltages	18V - 36V (24V nominal)
Rated Current	150mA (at 24V)
Ethernet: Port A	RJ45 interface with built-in isolation transformer - 2kV isolation
RS-485: Port B	1: Earth, 2: Shield, 3:Data (+), 4:Data (-) with Fixed Termination (120 Ω) Baud rate: 9600 to 11520 (configurable)
RS-232: Port C	1:Shield, 2:Rx(IN), 3:Tx(OUT), 4:Earth Baud rate: 9600 to 11520 (configurable)
PSU: Port D	1:+18V to 36V DC, 2:oV, 3:None,4:Earth
USB:	USB Micro-B connection (Device/Slave Mode)
Operating Temp.	-10 to 50°C
Approvals	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



Datasheet DS130 Rev.01 07/2020

For further information visit www.kentec.co.uk

Kentec Electronics Ltd. reserves the right to alter the specification of its products from time to time without notice. Although every effort has been made to ensure the accuracy of the information contained in this document it is not warranted or represented by Kentec Electronics Ltd. to be a complete and up-to-date description.