

RS-232 Modbus RTU Interface to 32 Optically Isolated Inputs

MODEL ELK-RDIO430S



KEY FEATURES

- ▶ **RS-232 Modbus RTU interface**
- ▶ **32 optically isolated inputs**
- ▶ **Removable screw terminals simplify field wiring**
- ▶ **Input power via terminal block or modular connector**
- ▶ **DIN rail mount or table mount**
- ▶ **Software supports Windows 2000/XP/Vista operating systems**

DESCRIPTION

Interface 32 optically isolated inputs via any Modbus RTU connection with the ELK-RDIO430S. Inputs can range from 5-30VDC and provide 300V external isolation. Connection is made using convenient 3.5mm removable screw terminal connectors. The ELK-RDIO430S is powered from your 9-30VDC source, or select from a variety of power supply options. Communicate with the ELK-RDIO430S using the API software libraries or use any Modbus RTU compliant device. The software drivers and utilities make installation and operation easy using Windows 2000, XP and Vista operating systems. Expand your I/O network with I/O "N" series products I/O modules are available with Reed and Form C relays, optically isolated inputs, TTL interfaces, A/D and D/A functionality. Up to 246 additional expansion modules can be added using convenient pass-through connectors.

SPECIFICATIONS

Number of I/O	32 Inputs
Input Isolation	300V
Input Range	5-30 VDC
Input Resistance	6.2K Ohms (in series)
Power Requirement	9-30 VDC @ 0.6W
Dimensions	7.5" (L) x 5.1" (W) x 1.3" (H)
Operating Temperature	0 - +70°C
Storage Temperature	-50 - +105°C
Humidity Range	10 - 90% R.H.

ORDERING INFORMATION

MODEL	DESCRIPTION
ELK-RDIO430S	RS-232 Modbus RTU Interface to 32 Optically Isolated Inputs
ELK-410N	16 Optically Isolated Input / 16 Reed Relay Output I/O Expansion Module
ELK-420N	16 Optically Isolated Input / 8 Form C Relay Output I/O Expansion Module
ELK-430N	32 Optically Isolated Input I/O Expansion Module
ELK-440N	32 Reed Relay Output I/O Expansion Module
ELK-450N	16 Form C Relay Output I/O Expansion Module
ELK-462N	96 Channel TTL Digital Interface I/O Expansion Module
ELK-463N	96 Channel TTL Digital Interface I/O Expansion Module
ELK-470N	16 A/D, 2 D/A, 8 24V Outputs, 8 Isolated Inputs I/O Expansion Module
ELK-520N	8 Optically Isolated Input / 8 High-Current Form C Relay Output I/O Expansion Module
ELK-CA239	RS-485 Interconnect Cable, 5" in Length - for I/O, Relio R1100 Systems
ELK-DB109	DB9 Female to RJ45 Modular Adapter (RS-232 Pinout) for I/O Modules
ELK-DR104	DIN Rail Mounting Clips - for I/O, R1100, 4103
ELK-PS105	90-265VAC to 12VDC/5VDC Power Supply
ELK-RK-CLAMP	19" Rack Tray Clamp
ELK-RK1U	1U 19" Rack Tray
ELK-RK2U	2U 19" Rack Tray
ELK-TR109	120VAC to 24VDC @ 500mA, Wall Mount Power Supply - (Multiple-Unit)
ELK-TR112	120VAC to 24VDC @ 250mA, Wall Mount Power Supply - (Single-Unit)

All Specifications within this document are subject to change without notice.



RM309, Woolim e-BIZ Center, #16 Yangpyeongdong-3Ga, Yeongdeungpo-Gu, Seoul, 150-946, Korea
 Phone : 82-2-2164-9933 Fax : 82-2-2164-9229 www.asanst.com E-mail: elk@asanst.com
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