Barionet 100

FUNCTIONALITY

Universal, programmable I/O device server with web server, Modbus/TCP and SNMP support. Serial ports, analog and digital I/O, Relays and Dallas 1-wire support. UL listed.

APPLICATIONS

- Environmental monitoring, logging and alarming
- Contact closure monitoring
- Access Control/Door controller
- Temperature monitoring, logging and HVAC control
- PV power management

FEATURES

- Relay Output (2x250VAC, 5A)
- Digital Inputs (4)
- Open Collector (digital) Outputs (4x24VDC)
- Analog (0..5VDC) Input (4)
- RS-232 Serial Port (1)
- RS-422/485 Serial Port (1)
- Supply Voltage (9-30VDC)
- Wiegand Interface Input (2)

TECHNICAL SPECIFICATIONS

I/O Interfaces

- 2 relay outputs (240 VAC 5 A)
- 4 digital inputs (0..12 V), configurable pullups
- 4 universal inputs (analog 0..5/10 V or digital 0..12 V) with configurable pullups
- 4 digital outputs (open collector, 24 V 0.1 A)
- 2 Barix extension bus connectors with Dallas 1-Wire® capability

Serial Interface

- 1 RS-232 * (DSub-9 male, RX/TX only)

- 1 RS-422/485 * (2/4-wire)

- * 600..19'200 Baud, 7/8 bit, Odd/Even/No par

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TECHNICAL SPECIFICATIONS

Network Interface

● RJ45 10/100 Mbit Ethernet (Autodetect)

● TCP/IP, UDP, ICMP, DHCP, AutoIP, IPzator™, XML, SOAP, Modbus/TCP, SNMP, CGI, HTTP web server for control, status and configuration

Misc

● 8+2 LED status indicators

Power input

● 12..24 VDC (±20%)

Case

● high quality plastic, 160 g, , DIN-rail mount.

● 4.13" x 3.34" x 1.1", 105 mm x 85 mm x 31 mm

MTBF

● Min. 850 000h acc. to MIL217F at 25°C ambient temperature

User Interface

● browser based (integrated webserver), serial port or ethernet control API

ENVIRONMENTAL

Operating Environment

● 0 to +50°C / 32 to 104°F

Storage Conditions

● 0 to +70°C / 32 to 158°F, both 0 - 70% relative humidity, non-condensing

CERTIFICATIONS/COMPLIANT WITH

● FCC (A and B), CE (A and B)