



## Barionet 50

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### FUNCTIONALITY

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

### APPLICATIONS

- Temperature monitoring, logging and HVAC control
- Contact closure monitoring
- PV power management

### FEATURES

- Relay Output (4x24V, 0.5A)
- Contact Closure Input (4)
- RS-232 Serial Port (1)
- RS-485 Serial Port (1)
- Supply Voltage (9-30V)

Designed in Switzerland and installed in tens of thousands of locations worldwide, the Barix automation devices are the established standard for security, monitoring and control applications alike.

### TECHNICAL SPECIFICATIONS

#### I/O Interfaces

- On detachable screw terminal blocks:
- 4 relay outputs (30 VDC, 0.5 A)
- 4 digital inputs (dry contacts)
- Dallas 1-Wire® interface

#### Serial Interfaces

- RS-232 (DSub-9 male, 5-wire RXD, TXD, RTS, CTS, GND), RS-485 on detachable screw terminal block as well as on 4 pin extension connector, both with serial speeds from 300 bps to 230 kbps (asynchronous)

#### Network Interface

- RJ45 10/100 Mbit Ethernet (Autodetect)

#### Supported protocols

- TCP/IP, UDP, ICMP, IGMP, AutoIP, IPzator™, DHCP, CGI, HTTP web server for control, status and configuration.



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### TECHNICAL SPECIFICATIONS

#### API

- Modbus/TCP, SNMP, CGI, UDP/TCP based ASCII protocol

#### Misc

- 8 LED status indicators
- Extension connector (4 pin: power and RS-485)

#### Power input

- 9..30 VDC, 4 Watt max.

#### Case

- high quality plastic, 135 g,, DIN-rail mount.
- 4.13" x 3.34" x 1.25", 105 mm x 85 mm x 31 mm

#### MTBF

- Min. 800 000h acc. to MIL217F at 25°C ambient temperature

### 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, CE A, RoHS compliant (lead free)
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