Application

Usage
The VistaNET Router provides an interconnection between Ethernet and RS485 VistaNET networks. Additionally, the Router provides a simple interface between VistaNET field cabling and Ethernet 10/100 Mbps, allowing simple connectivity to your plant or process network(s).

Description
The VN2300DM VistaNET router is a special applications network router capable of allowing data packets to be passed between VistaNET and a standard Ethernet network. Additionally, this router has the capability to be configured to output MODBUS RTU over an integrated RS-232 port and MODBUS TCP.

Physical
Environmental (enclosure): The device is only suitable for use in clean dry areas.

Ambient temperature range: 0° C to +70° C (32° F to +158° F)

Dimensions: 13.4 cm W x 18.3 cm D x 5.3 cm H (5.3 in. W x 7.2 in. D x 2.1 in. H)

Mounting (3 options):
(1) Desktop – standard rubber feet
(2) DIN rail – two standard DIN rails included
(3) Wall mount – optional wall mounting bracket

EMI/RFI considerations: Conform to class A industrial environment with Canadian ICES-003 and FCC Part 15

Electrical entries: Front: Power, VistaNET, Ground
Back: Ethernet, RS-232

Safety area classification
Class 1, division 2, groups B, C, D; T4
Class 1, zone 2 group IIB+H2; T4
LVD 73/23/EEC (GP – only)
EMC 89/336/EEC
ATEX Directive 94/9/EC for zone 2 area; Ex 113G EEx nL IIB+H2 T4

Power
Voltage: 10V to 30V DC input power, 1.0A
VistaNET Router

I/O ports
VistaNET: High and Low speed configurable
Communication: VistaNET UDP over VistaNET media

Ethernet: Integrated 5-port 10/100 Mbps Ethernet Switch, with Auto-uplink detection
Communication: TCP/IP UDP over Ethernet media

MODBUS (option): Integrated RS-232 serial connection port
Communication: MODBUS RTU protocol over RS-232 to a MODBUS Master device
Communication: MODBUS TCP over Ethernet to a MODBUS Master device

Additional features
Status indication: LED’s providing status and activity
Monitoring: Local and Remote monitoring and management via HTTP, FTP, Telnet, SNMP, Serial
Options: Additional protocol converters available at customer request.

For more information please contact:
ABB Inc.
Analytical Measurements
843 N. Jefferson Street
Lewisburg, WV 24901
USA
Phone: 1 304 647 4358
Fax: 1 304 645 4236
email: analyzeit@us.abb.com

www.abb.com/analytical

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