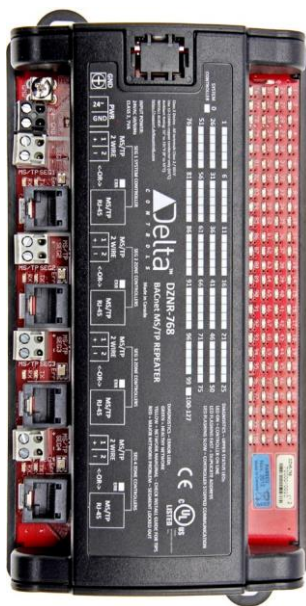


Accessories

DZNR-768: BACnet® MS/TP Repeater

Description

The Delta Controls DZNR-768 is an intelligent RS-485 BACnet MS/TP, 4-port network repeater. It has four removable terminals for 2-wire twisted pair connections, or four RJ45 connectors to accommodate the quick connect cabling used with the DZNT-VAV products. The DZNR-768 continuously monitors network traffic and displays status and communications errors on its 118 on-board LEDs.



Application

The Delta Controls DZNR-768 divides a RS-485 network into four segments, allowing up to 64 controllers per segment, while improving signal quality on each segment. Built-in diagnostics monitor the status of each controller and detect communications errors on each segment.

Segment 1 typically connects to a System Controller, and the three other segments allow for distribution of the network controllers. The four segments allow for a total of 99 controllers per DZNR network.

The network cable length for each segment is 4000 feet (1200 meters) for twisted pair and 2000 feet (600 meters) using the CAT-5 MS/TP connections.

Features

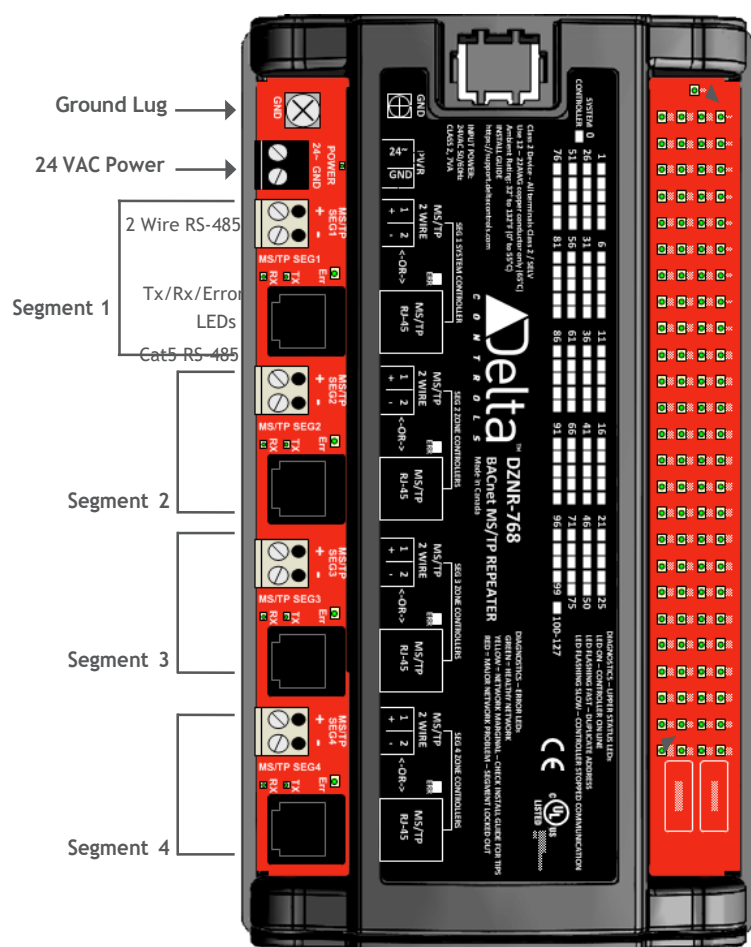
- ▶ Can be used with any BACnet MS/TP Network
- ▶ Divides a network into segments for easy troubleshooting
- ▶ Supports twisted pair and Delta Controls CAT-5 MS/TP wiring
- ▶ Uses autobaud detection to remove the need for manual configuration
- ▶ Displays online or offline status of each controller
- ▶ Built-in termination for each segment ensures proper network operation
- ▶ Displays status
- ▶ Identifies controllers with duplicate addresses
- ▶ Detects unreliable character transmissions
- ▶ Identifies network wiring faults

Specifications

Indicator LEDs
Individual controller status
Segment communications
Segment errors
Power
Baud rate
Capacity
64 controllers per segment
99 controllers per DZNR-768
Connectors
Removable screw-type terminal connectors
RJ45 connectors
Ground Lug
Wiring Class
Class 2

Accessories

DZNR-768: Layout Diagram



System Controller
Status - LED 0

Device Status LED

Address 1-99

Device Address
100-127 Status LED

Specifications (Continued)

Power
24 VAC 50/60 Hz @ 7 VA

Communication Ports
4 RS-485 Ports
BACnet MS/TP up to 76800 bps

Ambient
32° to 131°F (0° to 55°C)
10 to 90% RH (non-condensing)

Dimensions
89/16 x 4 1/4 x 115/16 in.
(21.8 x 10.7 x 4.9 cm) with housing

Weight
0.41 lb. (190 g) with housing

Compliance
CE
FCC

Listings
UL 916 Listed
UL 864 Listed for UL 864 product numbers

BACnet is a registered trademark of the American Society of Heating, Refrigerating and Air Conditioning Engineers Inc.

Updated July 2015

Ordering

Order the DZNR-768 according to the following product number:

DZNR-768	RS-485 BACnet MS/TP, 4-port network repeater
DZNR-768-UL864-340	DZNR-768 with UL 864 listing

Accessories

ADP45-MSTP-EOL	End of Segment Loopback Adapter
ADP45-MSTP-Y	Segment Splitter
ADP45-MSTP-TB-Y	2-wire MS/TP Adapter
ADP45-MSTP-BYPASS	Device Bypass Adapter

DISTRIBUIDOR DELTA CONTROLS - RSA SENSORES -

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