

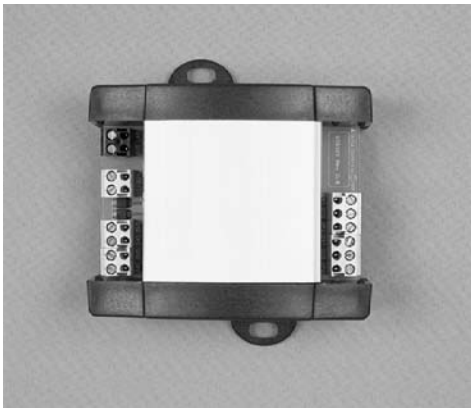
Field Modules

DFM-200/202/220

Description

The DFM-200/202/220 provide remote I/O to Delta's BACnet Controllers. These field modules provide two universal inputs, in three different output configurations, and are capable of communicating on Delta's LINKnet network or directly on an RS-485 BACnet MS/TP network (DFM-200 model only).

When connected to a LINKnet network the DFM-200/202/220 provides remote input and programmable output capabilities to the controller. When connected on the MS/TP network (DFM-200 only) the modules function as independent BACnet devices with inputs accessible over the BACnet MS/TP network.



Features

- Native BACnet™ device (DFM-200 only) supporting communication on an RS-485 BACnet MS/TP network
- Supports communicating on LINKnet
- Easy-to-mount housing
- Derived Network Addressing (DNA) for simple integration into a standard network architecture
- Extended temperature range for extreme ambient situations

Application

The DFM-200/202/220 suits a diverse range of application needs where additional inputs and outputs are required, or where a small number of I/O's are remotely located.

Specifications

BACnet Device Profile

BACnet Application Specific Controller (B-ASC)

Inputs

2 Universal inputs – 10 bit (supporting 0-5v, 0-10v, 10k Ω , 4-20mA)

Outputs

DFM-200: None

DFM-202: 2 Binary Triac Outputs, 0.5 Amp @ 24 VAC, jumper selection for internal or external power on binary outputs, LED status indication

DFM-220: 2 Analog outputs (0-10v), maximum 20 mA, LED status indication

Technology

8-bit processor with internal A/D, Flash and RAM

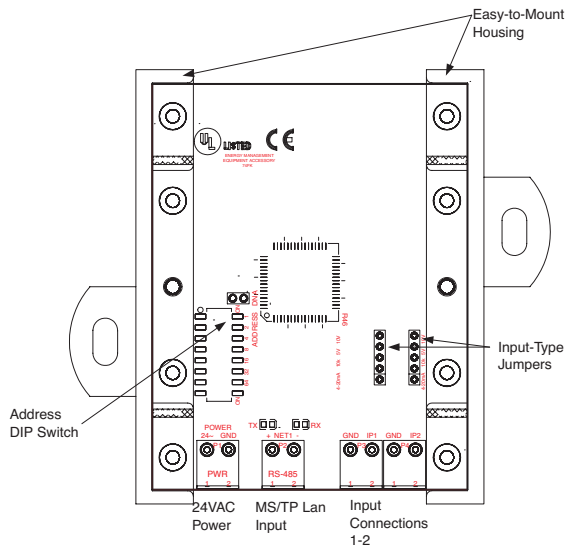
Device Address

LINKnet connection

Set via DIP switch and jumpers

Field Modules

DFM-200/202/220: Board Layout Diagram



Accessories

RPT-768—Delta Network Repeater for BACnet MS/TP

TRM-768—Delta Network Terminator for BACnet MS/TP

Ordering

Order the desired DFM-2xx with the desired options, according to the following product numbers:

DFM-200—Connects to LINKnet or BACnet MS/TP (Jumper Setting), 2 Universal Inputs

DFM-202—Connects to LINKnet, 2 Universal Inputs, 2 Binary Outputs

DFM-220—Connects to LINKnet, 2 Universal Inputs, 2 Analog Outputs

Note: Maximum of 2 LINKnet I/O Boards on any LINKnet network.

Specifications (Continued)

Communications Ports

LINKnet connection, Delta LINKnet @ 76800 bps (maximum of 2 devices)

BACnet MS/TP connection @ 9600, 19200, 38400 or 76800 bps (default)(maximum of 99 controllers per BACnet MS/TP segment) (DFM-200 only)

Connectors

Removable screw-type terminal connectors

Wiring Class

Class 2

Power

24 VAC

6 VA

DFM-200: 4 VA

DFM-202: 28 VA

DFM-220: 4 VA

Ambient

-40° - 140°F (-40° - 60°C), with enclosure

10 to 90% RH (non-condensing)

Note: Internal electronics rated from -40° - 85°

Dimensions

4.25 x 4.0 x 1.78 in. (10.8 x 10.2 x 4.8 cm) with housing

0.29 lb. (133 g) with housing

Approvals/Standards

UL 916 Listed

CE

FCC