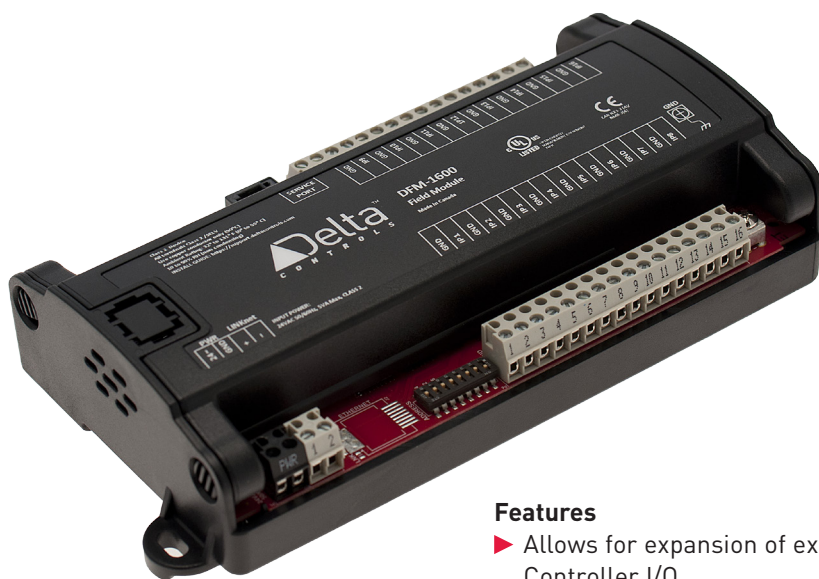# Field Modules

DFM-1600

Description
The DFM-1600 provides expandable remote inputs to Delta's BACnet® Controllers. This field module provides 16 universal inputs and communicates on Delta's LINKnet network. When connected to a LINKnet network, the DFM-1600 provides programmable remote input capabilities to its connected controller.

Application
The DFM-1600 suits a diverse range of application needs where additional universal inputs are required or in a case where remote I/O is needed.

Features
▶ Allows for expansion of existing Delta Controller I/O

▶ Up to two DFM's can be connected to Delta System Application Controllers, expanding the I/O by 32 Universal inputs

▶ Supports communication on LINKnet

▶ Easy-to-mount housing using 2-screws or DIN rail

▶ LED indicator for power and CPU status

Specifications

Inputs
16 Universal Inputs (10-bit) supporting:
    0-5 VDC
    0-10 VDC
    10 kΩ Thermistor
    4-20 mA
    Dry Contact (using 10 kΩ Thermistor jumper setting)

Outputs
None

Device Addressing
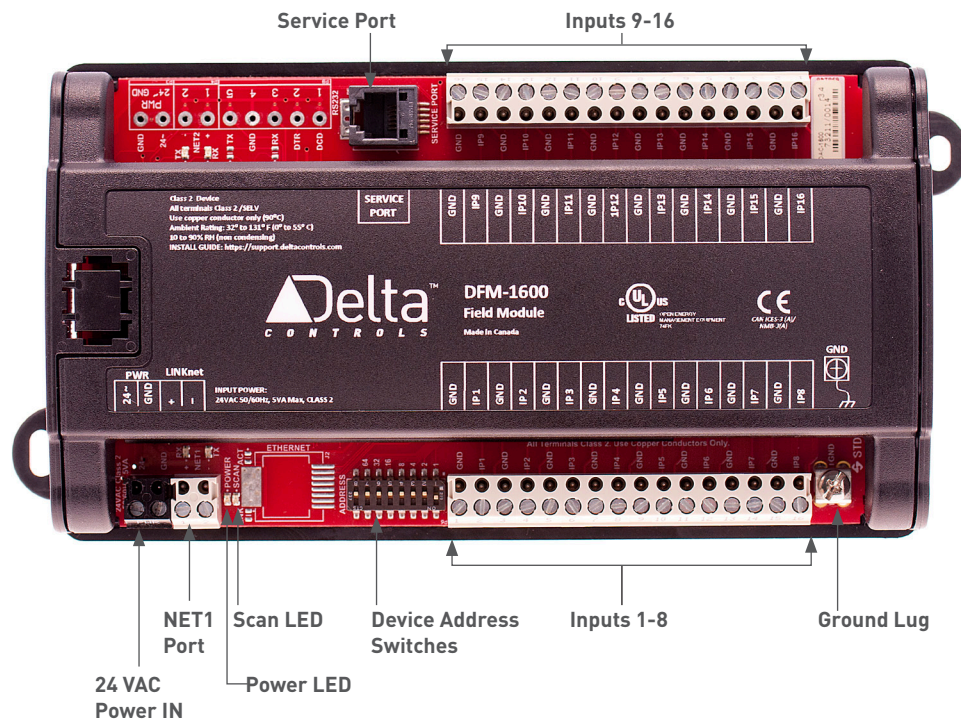Set via DIP switch

Connectors
Removable screw-type terminal connectors

Wiring Class
Class 2

Field Modules

DFM-1600: Board Layout Diagram

Service Port — Inputs 9-16

NET1 Port — Scan LED — Device Address Switches — Inputs 1-8 — Ground Lug

24 VAC Power IN — Power LED

Specifications (Continued)

Power
24 VAC 50/60 Hz @ 5 VA

Power (UL 864)
24 VAC 50/60 Hz @ 8 VA

Technology
16-bit processor
1 MB (8-megabit) Flash memory
128 KB SRAM memory

Communications Port
RS-485 NET1
Delta LINKnet up to 76800 bps, max
12 devices on LINKnet with no more
than 2 DFM devices

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

Dimensions
8½ x 4¼ x 1^{15}/$_{16}$ in. (21.8 x 10.7 x 4.9 cm)
with housing

Weight
0.80 lb. (360 g) with housing

Compliance
CE
FCC

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

Ordering
Order the DFM-1600 according to the following product numbers:

DFM-1600	16 universal inputs field module
DFM-1600-UL864-340	16 universal inputs field module, UL 864 Listed

Accessories

TRM-768	Delta Network Terminator for BACnet MS/TP*
CON-768BT	Delta Bluetooth Service Tool

* UL 864 versions available

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

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Subject to change without notice.