FieldLink™

process networking solutions

FieldBlock Nonincendive™ Enclosure (FN) with:

MODBUS *(1-6) Passive Drop Connector (FNT08____)*

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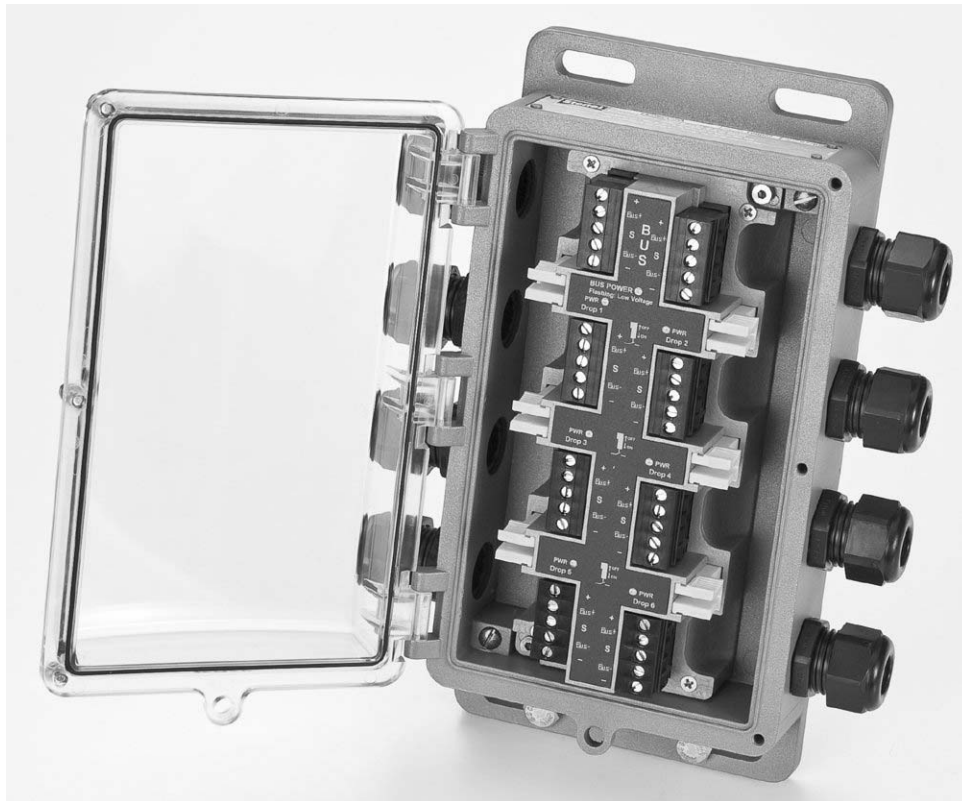
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FNT08 Model Selector (Example: FNT08CG02A)

	Function	Enclosure	Entry Options	Brand	Options
FN	**T08** Passive Drops, Modbus (Bus In/Out and (6) Drops)	**C** North American (NEC/CEC) **D** International (IEC)	**P01 -** (8) 1/2" NPT Conduit Entries **P02 -** (8) M20 Conduit Entries **G01 -** (8) Small Cable Glands **G02 -** (2) Large Cable Glands (6) Small Cable Glands **N02 -** (8) 5-Pin Mini Connectors (1-Male; 7-Female) **M02 -** (8) 5-Pin Micro Connectors (1-Male; 7-Female) **C01 -** (2) 1/2" NPT Conduit Entries; (6) Cable Glands **C03 -** (2) 1/2" NPT Conduit Entries; (6) 5-Pin Mini Connectors **C05 -** (2) 1/2" NPT Conduit Entries; (6) 5-Pin Micro Connectors	**A** StoneL **M** Metso **N** Neles	**_******* (Special)

General Specifications

Materials of Construction
Housing — Epoxy Coated Anodized Aluminum
Cover — Polycarbonate
Elastomer Seals — Silicone
Fasteners — Stainless Steel

Operating Life — Unlimited
Temperature Range — -40° to +80° C (-40° to 176° F)
Enclosure Protection — NEMA 4, 4X & 6; IP67
**Warranty** — Two Years

Dimensions (in inches)
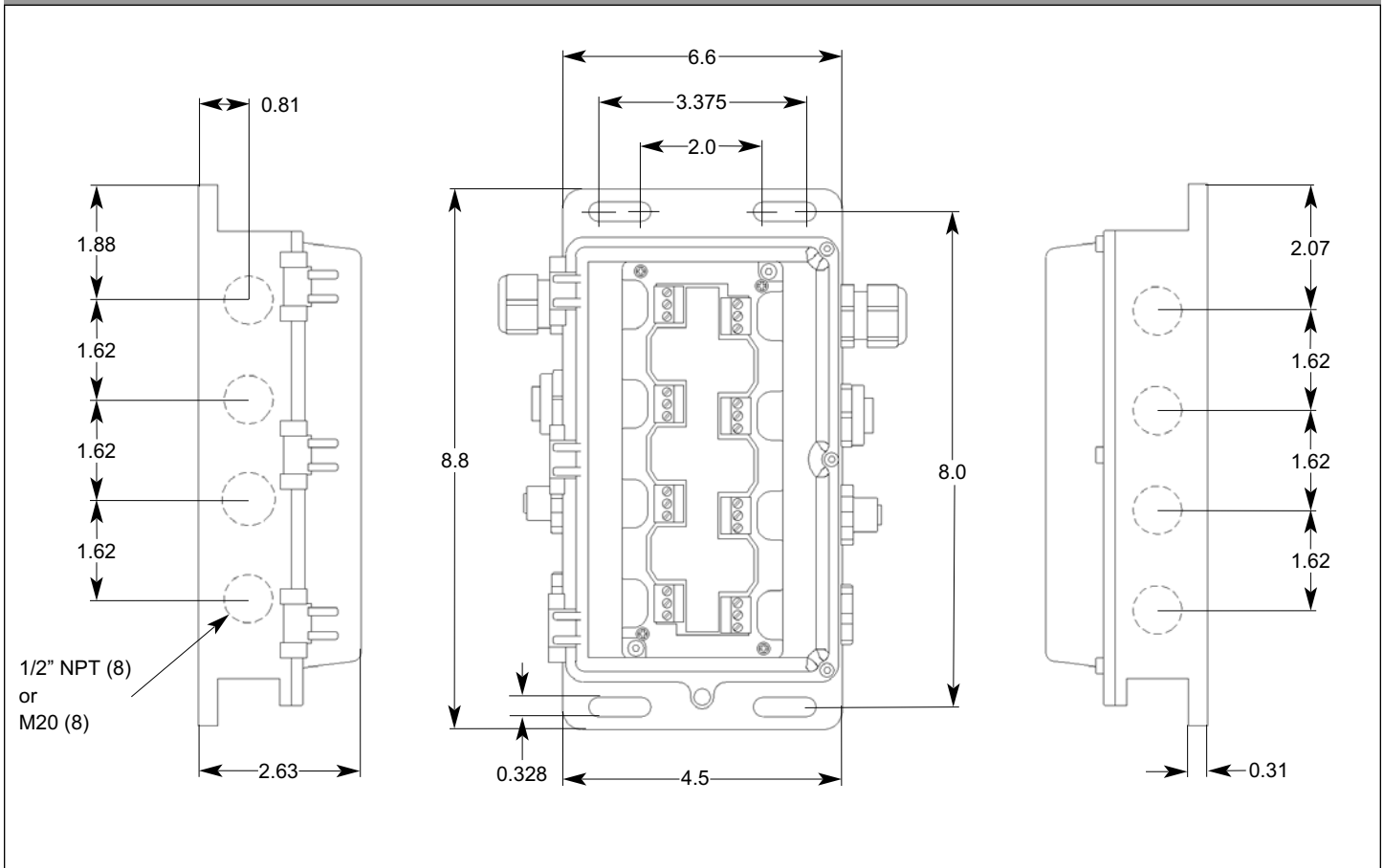
Modbus Passive Drop Connector

Bus in, Bus out, and (6) Passive Drops for Modbus networks.

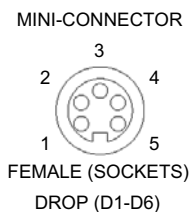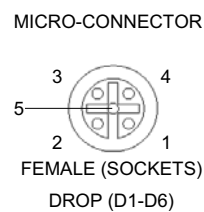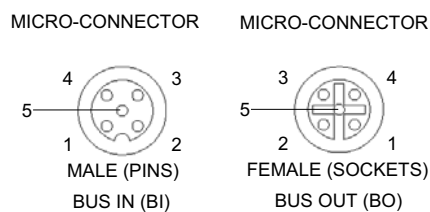|				
Voltage Range	35VDC		Current Consumption	10mA max
Operating Voltage	Modbus Voltage		Voltage Drop (Trunk)	Negligible
Current Rating	8 Amps		Voltage Drop (Spur)	Negligible
Break Current	None		LED Display:	BUS POWER, Green LED (Flashing = low voltage)
Reset Current	None			
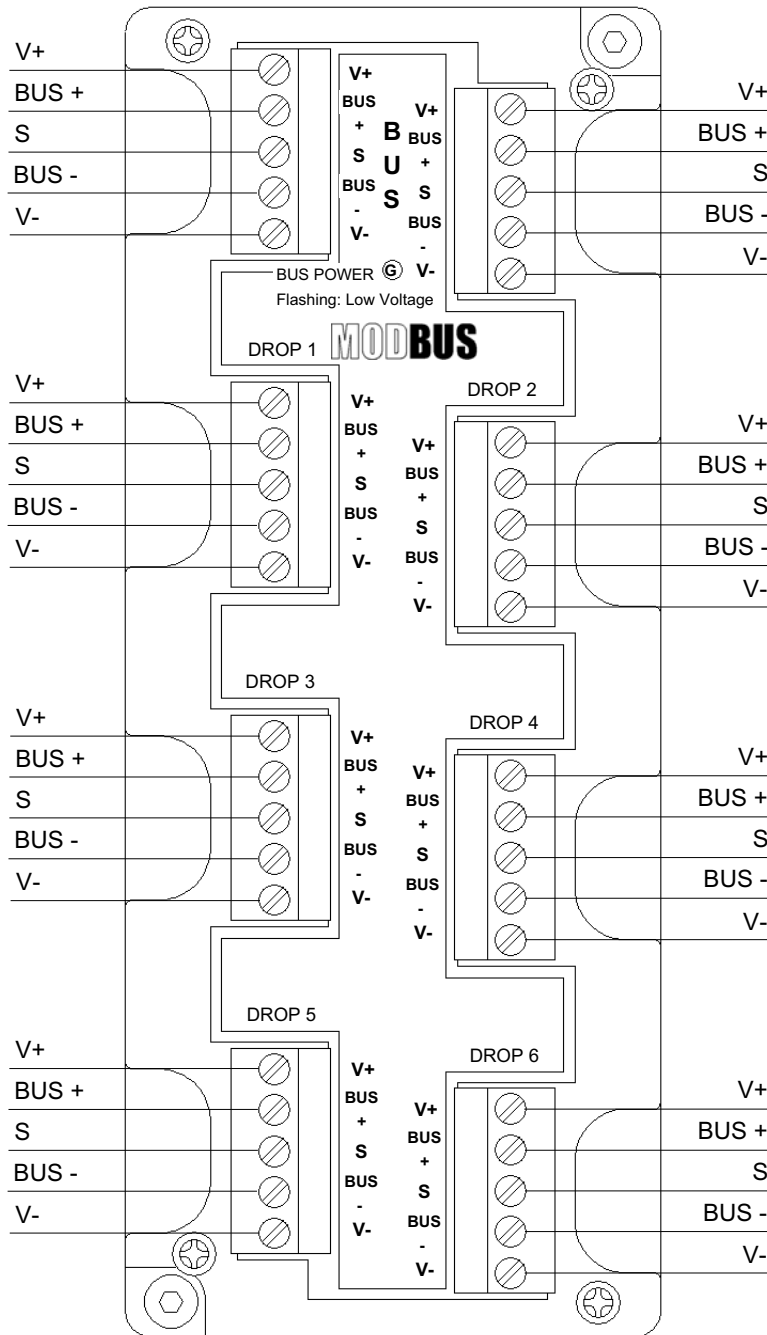
FNT08***				
BUS IN (BI) & BUS OUT (BO)				
PIN	WIRE COLOR	FNT08_N02_	FNT08_M02_	FNT08_C03_	FNT08_C05_
1	BROWN	Shield	Shield	N/A	N/A
2	WHITE	V +	V +	N/A	N/A
3	BLUE	V -	V -	N/A	N/A
4	BLACK	BUS +	BUS +	N/A	N/A
5	GRAY	BUS -	BUS -	N/A	N/A
DROPS (D1 - D6)				
1	BROWN	Shield	Shield	Shield	Shield
2	WHITE	V +	V +	V +	V +
3	BLUE	V -	V -	V -	V -
4	BLACK	BUS +	BUS +	BUS +	BUS +
5	GRAY	BUS -	BUS -	BUS -	BUS -

BI
BO
D1
D2
D3
D4
D5
D6

MINI RECEPTACLES

MINI-CONNECTOR
3
4 2
5 1
MALE (PINS)
BUS IN (BI)

MINI-CONNECTOR
3
2 4
1 5
FEMALE (SOCKETS)
BUS OUT (BO)

MINI-CONNECTOR
3
2 4
1 5
FEMALE (SOCKETS)
DROP (D1-D6)

MICRO RECEPTACLES (M12)

MICRO-CONNECTOR
4 3
5
1 2
MALE (PINS)
BUS IN (BI)

MICRO-CONNECTOR
3 4
5
2 1
FEMALE (SOCKETS)
BUS OUT (BO)

MICRO-CONNECTOR
3 4
5
2 1
FEMALE (SOCKETS)
DROP (D1-D6)
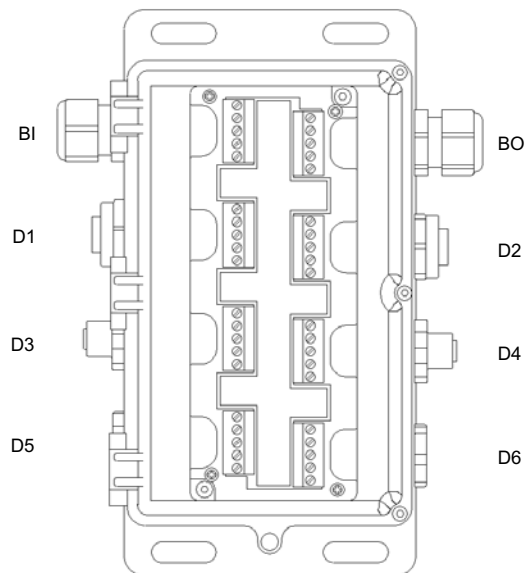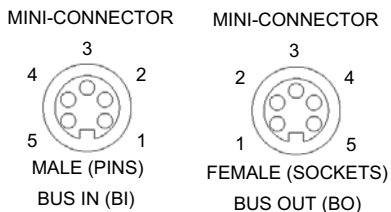
FNT08 Mounting Instructions

Mounting The FieldBlock Enclosure

1. Locate the position where the FieldBlock enclosure will be mounted. Ensure that hinged cover of the unit will have sufficient clearance to be opened.
2. Attach the FieldBlock enclosure to a wall or other stationary flat surface using the mounting holes provided.

Attaching Cables and Connectors

1. Cable glands and connectors are provided for convenient wiring. Ensure all connections are securely tightened.
2. Follow all applicable NEC codes and other regulations.

Installing & Removing Cover

1. To insure NEMA 4, 4X and 6 ratings are maintained the cover **must be** completely closed and the gasket sealed to keep out water.
2. Tighten cover screws to 05-30 inch lbs.