FieldBlock Nonincendive™ Enclosure (FN) with:

DeviceNet *(1-6) Power Protected Drop Connector (FNP06____)*
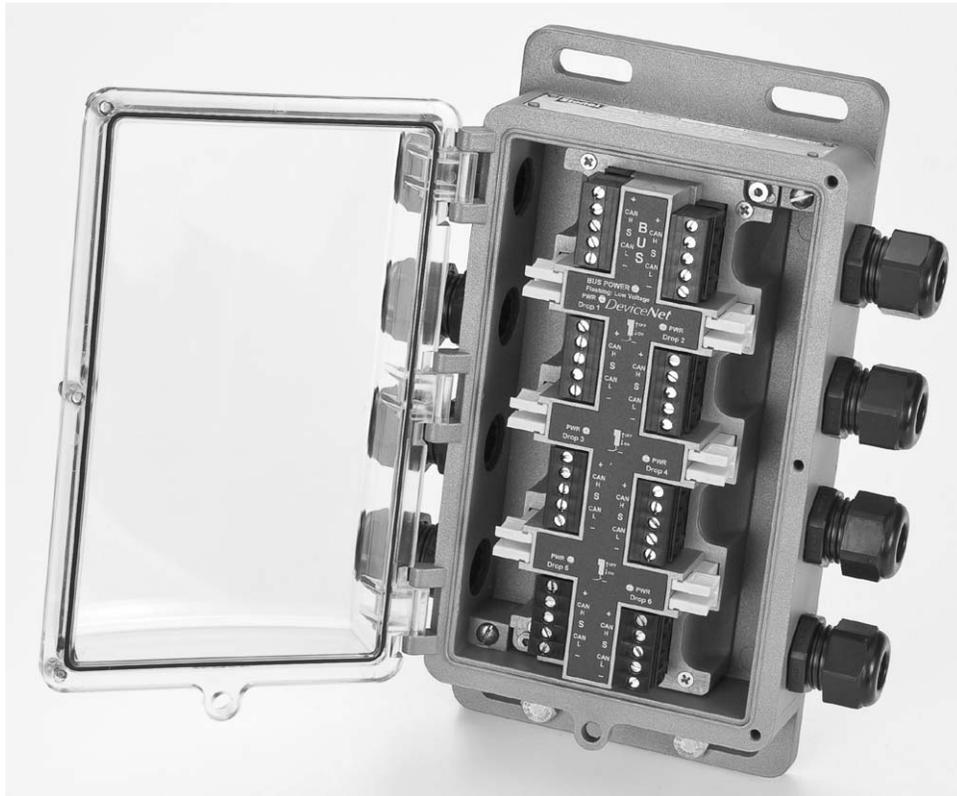
StoneL

Valve Communication Solutions

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FNP06 Model Selector (Example: FNP06CG02A)

	Function	Enclosure	Entry Options	Brand	Options
FN	**P06** Power Protected Drops, DeviceNet (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)

0.81 · 1.88 · 1.62 · 1.62 · 1.62 · 2.63 · 1/2" NPT (8) or M20 (8)

6.6 · 3.375 · 2.0 · 8.8 · 8.0 · 0.328 · 4.5

2.07 · 1.62 · 1.62 · 1.62 · 0.31
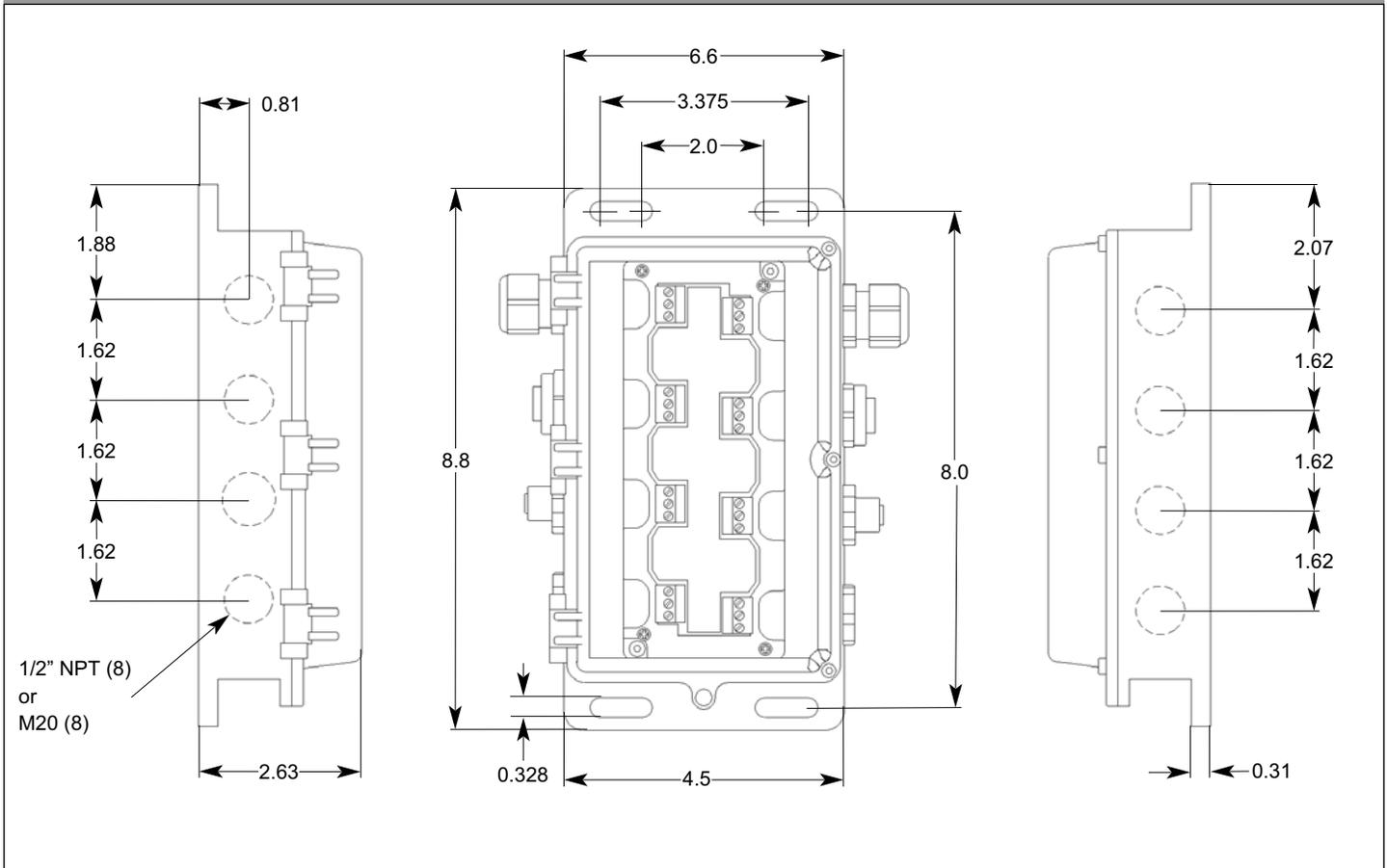
DeviceNet Power Protected Drop Connector

Bus in, Bus out, and (6) Power Protected Drops for DeviceNet networks

Voltage Range	30 VDC max	Current Consumption	10mA max
Operating Voltage	DeviceNet Voltage	Voltage Drop (Trunk)	Negligible
Current Rating	8 Amps (Bus)	Voltage Drop (Drop)	1.0 VDC max
Break Current	>240mA (on V+)*	LED Displays: BUS POWER, Green LED (Flashing = low voltage)	
Holding Current	28mA	PWR, Green LED, Drop Energized	
Reset Current	<28mA		

*Short circuit protection only on V+. Communication wires are passive
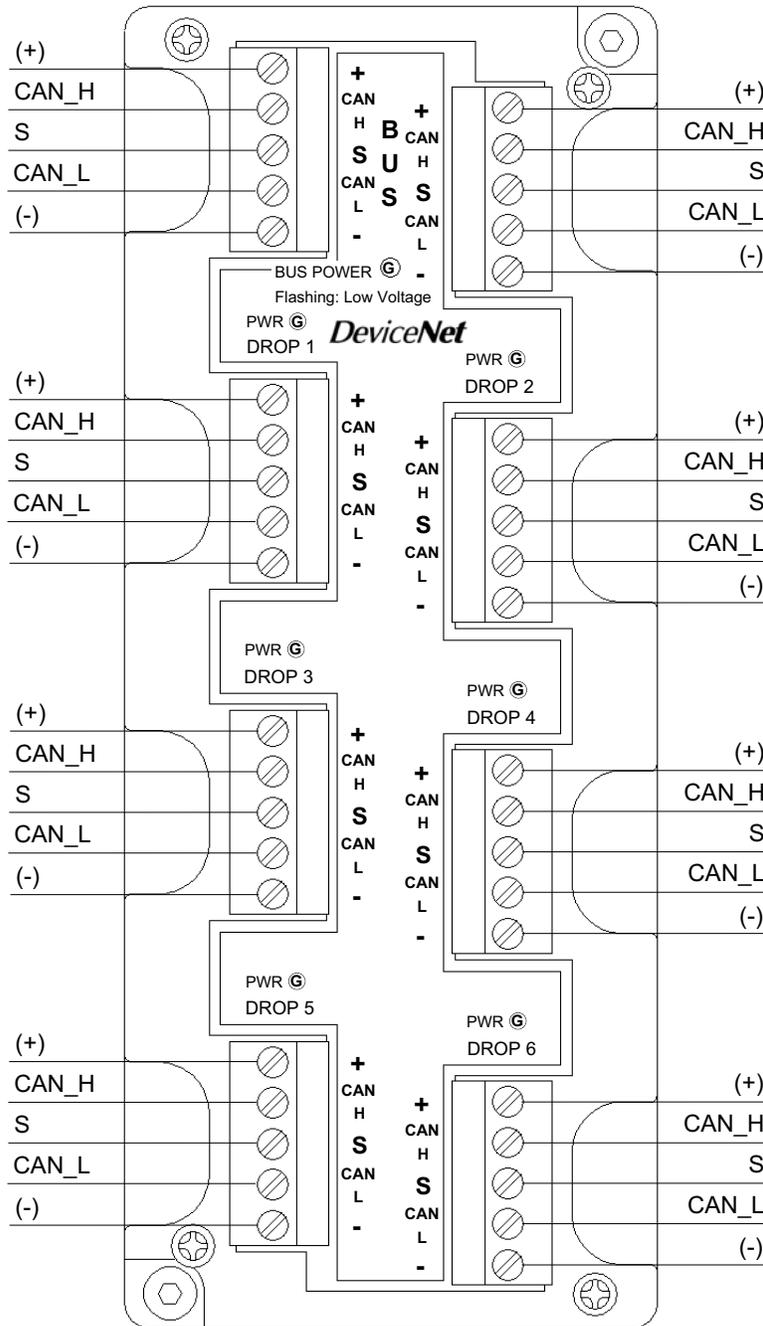
FNP06***

BUS IN (BI) & BUS OUT (BO)

PIN	WIRE COLOR	FNT06_N02_	FNT06_M02_	FNT06_C03_	FNT06_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	CAN_H	CAN_H	N/A	N/A
5	GRAY	CAN_L	CAN_L	N/A	N/A

DROPS (D1 - D6)

PIN	WIRE COLOR				
1	BROWN	Shield	Shield	Shield	Shield
2	WHITE	V +	V +	V +	V +
3	BLUE	V -	V -	V -	V -
4	BLACK	CAN_H	CAN_H	CAN_H	CAN_H
5	GRAY	CAN_L	CAN_L	CAN_L	CAN_L

MINI RECEPTACLES

MINI-CONNECTOR MALE (PINS) BUS IN (BI)
MINI-CONNECTOR FEMALE (SOCKETS) BUS OUT (BO)
MINI-CONNECTOR FEMALE (SOCKETS) DROP (D1-D6)

MICRO RECEPTACLES (M12)

MICRO-CONNECTOR MALE (PINS) BUS IN (BI)
MICRO-CONNECTOR FEMALE (SOCKETS) BUS OUT (BO)
MICRO-CONNECTOR FEMALE (SOCKETS) DROP (D1-D6)

BI, BO, D1, D2, D3, D4, D5, D6
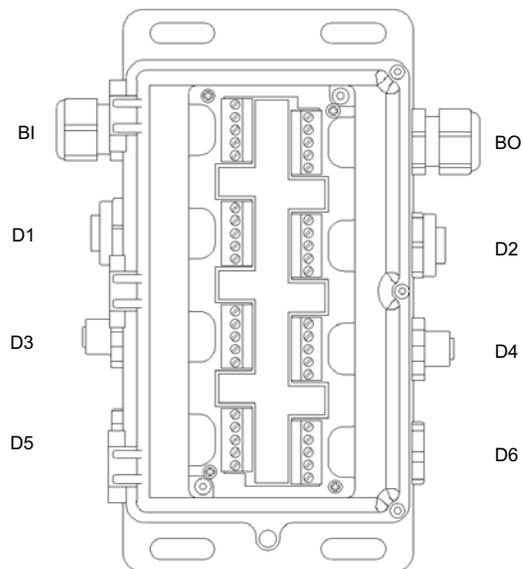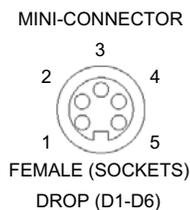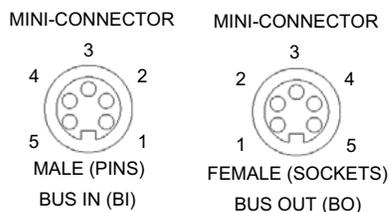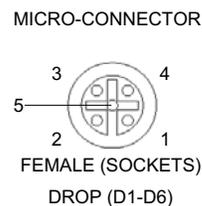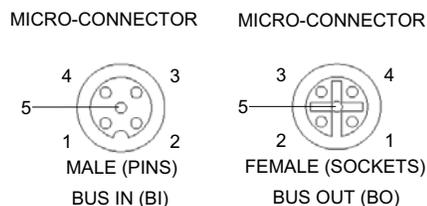
FNP06 Mounting Instructions

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.

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