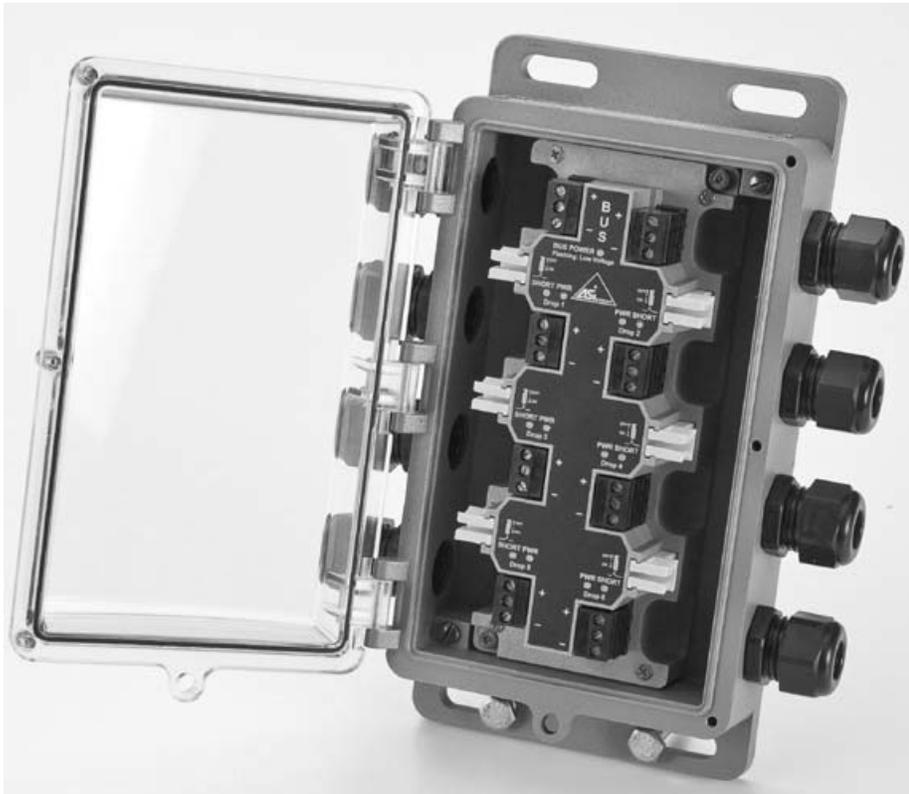


**FieldBlock Nonincendive™ Enclosure (FN) with:**



***AS-Interface (1-6) Switched Protected Drop Connector (FNS02\_\_\_\_)***



**StoneL Corporation  
One StoneL Dr  
26271 US Hwy 59  
Fergus Falls, MN 56537  
USA**

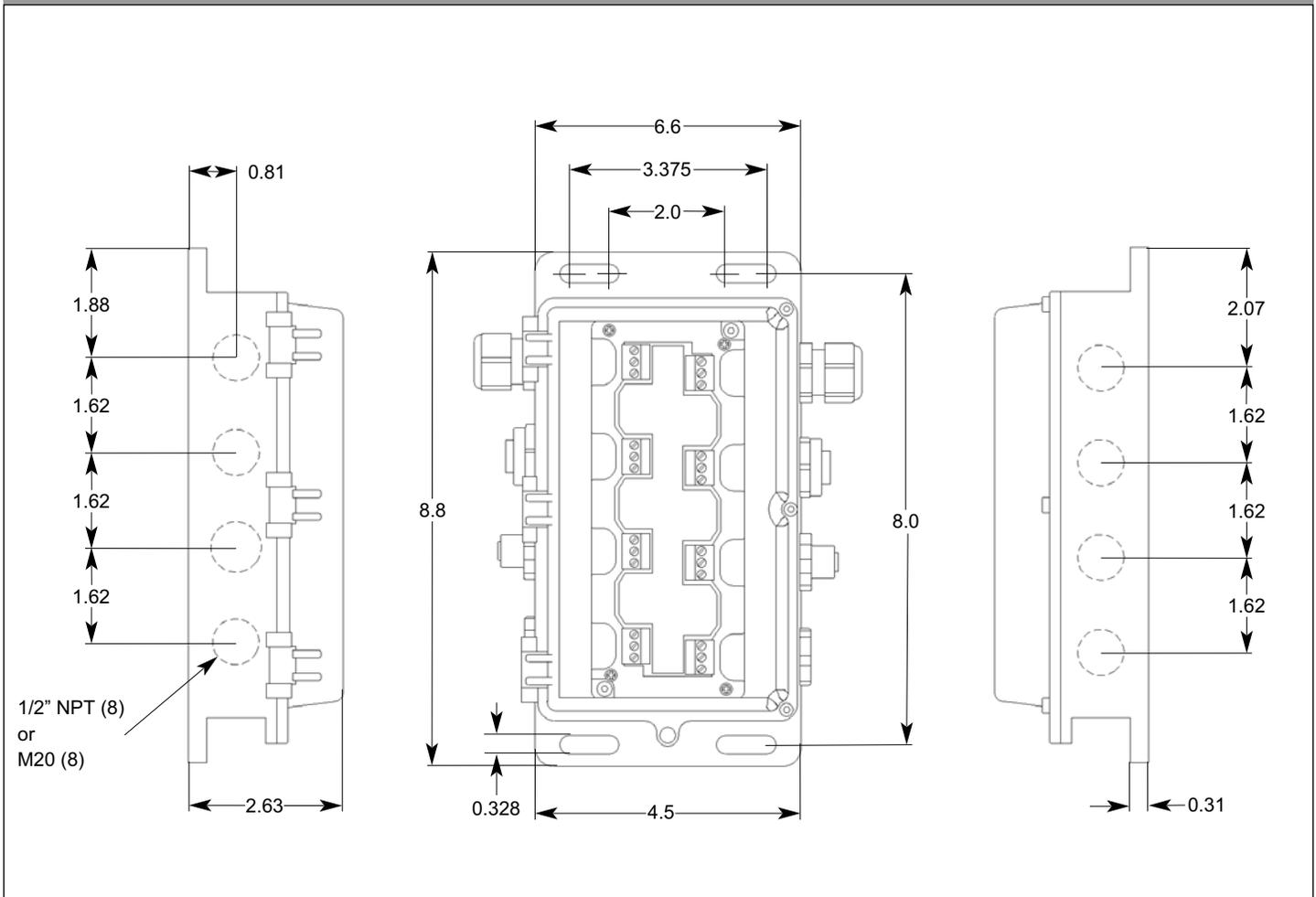
Telephone: 218.739.5774  
Toll Free: 800.843.7866  
Fax: 218.739.5776  
E-mail: [sales@stonel.com](mailto:sales@stonel.com)  
Website: [www.stonel.com](http://www.stonel.com)

	Function	Enclosure	Entry Options	Brand	Options
FN	S02 Switched Protected Drops, AS-Interface (Bus In/Out and (6) Drops)	<b>C</b> North American (NEC/CEC) <b>D</b> International (IEC)	<b>P01</b> - (8) 1/2" NPT Conduit Entries <b>P02</b> - (8) M20 Conduit Entries <b>G01</b> - (8) Cable Glands <b>N01</b> - (8) 4-Pin Mini Connectors (1-Male; 7-Female) <b>M01</b> - (8) 4-Pin Micro Connectors (1-Male; 7-Female) <b>C01</b> - (2) 1/2" NPT Conduit Entries; (6) Cable Glands <b>C02</b> - (2) 1/2" NPT Conduit Entries; (6) 4-Pin Mini Connectors <b>C04</b> - (2) 1/2" NPT Conduit Entries; (6) 4-Pin Micro Connectors	<b>A</b> StoneL <b>M</b> Metso <b>N</b> Neles	_***** (Special)

**General Specifications**

<b>Materials of Construction</b>		<b>Operating Life</b>	Unlimited
Housing	Epoxy Coated Anodized Aluminum	<b>Temperature Range</b>	-40° to +80° C (-40° to 176° F)
Cover	Polycarbonate	<b>Enclosure Protection</b>	NEMA 4, 4X & 6; IP67
Elastomer Seals	Silicone	<b>Warranty</b>	Two Years
Fasteners	Stainless Steel		

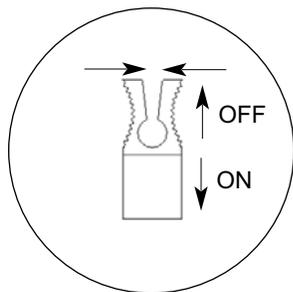
**Dimensions (in inches)**



## AS-Interface Switched Protected Drop Connector

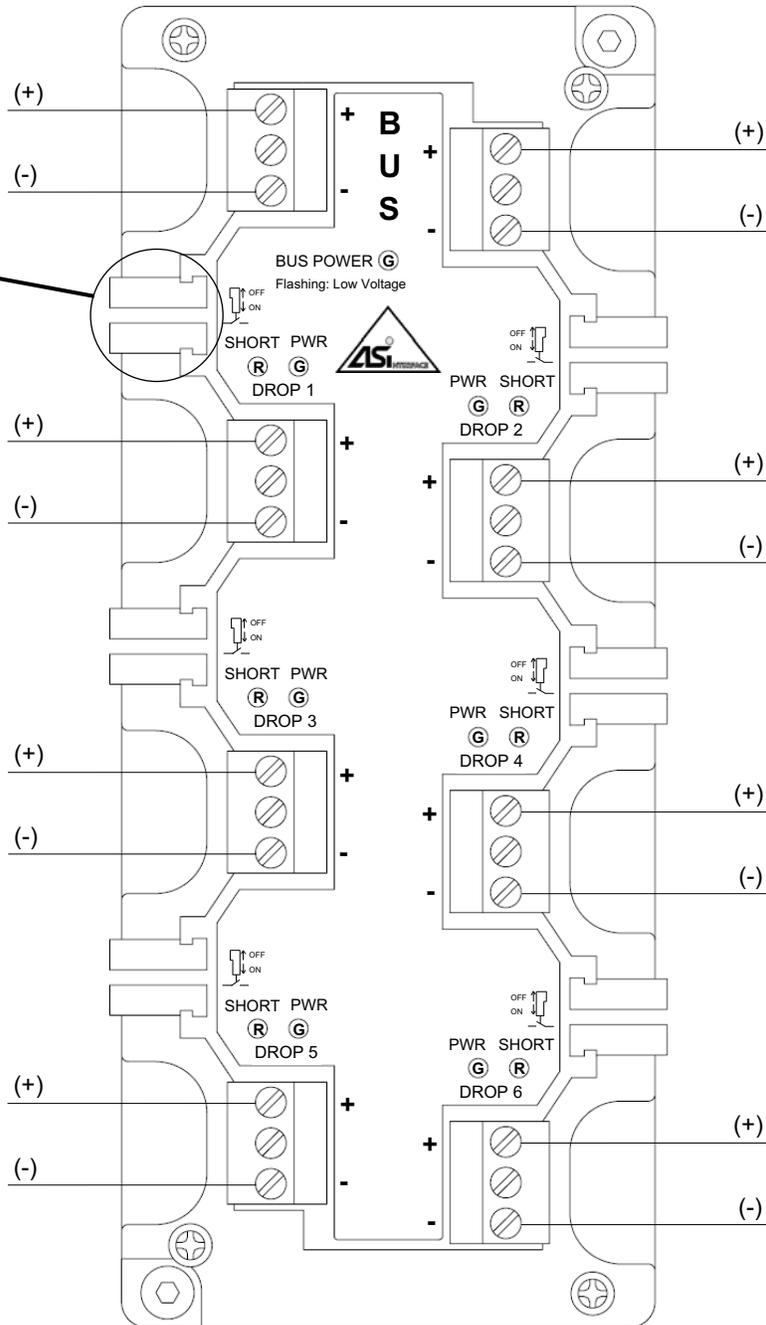
Bus in, Bus out, and (6) Protected Drops for AS-Interface networks.

Voltage Range	31.6 VDC max	Current Consumption	20mA max
Operating Voltage	AS-Interface Voltage	Voltage Drop (Trunk)	Negligible
Current Rating	8 Amps (Bus)	Voltage Drop (Drop)	1.0 VDC max
Break Current	>240mA	LED Displays:	BUS POWER, Green LED (Flashing = low voltage)
Holding Current	28mA		PWR, Green LED, Drop Energized
Reset Current	<28mA		SHORT, Red LED, Drop in over-current state

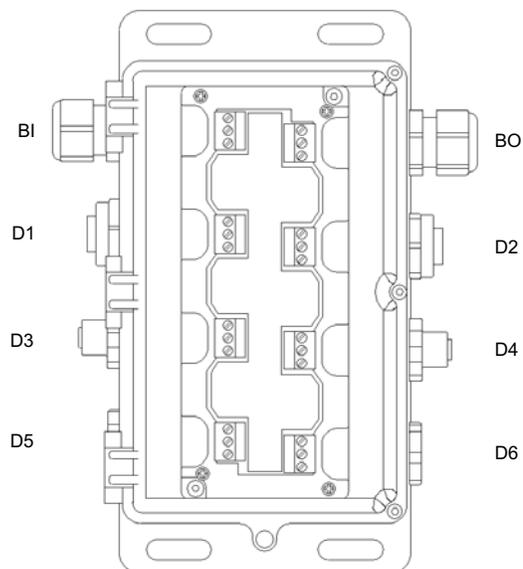


### Drop Disconnect Switch Operation

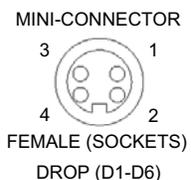
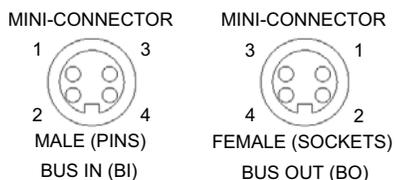
1. To energize a selected drop, compress "ears" of yellow disconnect switch with finger tips and push down. Green "PWR" LED of selected drop will light.
2. To de-energize a selected drop, compress "ears" of yellow disconnect switch with finger tips and pull up. Green "PWR" LED of selected drop will extinguish. Drop is now isolated from the network.



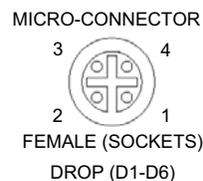
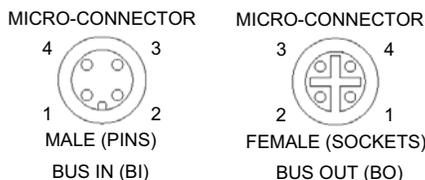
FNS02***					
BUS IN (BI) & BUS OUT (BO)					
PIN	WIRE COLOR	FNS02_N01_	FNS02_M01_	FNS02_C02_	FNS02_C04_
1	BROWN	(+)	(+)	N/A	N/A
2	No Connection	NOT USED	NOT USED	N/A	N/A
3	BLUE	(-)	(-)	N/A	N/A
4	No Connection	NOT USED	NOT USED	N/A	N/A
DROPS (D1- D6)					
1	BROWN	(+)	(+)	(+)	(+)
2	No Connection	NOT USED	NOT USED	NOT USED	NOT USED
3	BLUE	(-)	(-)	(-)	(-)
4	No Connection	NOT USED	NOT USED	NOT USED	NOT USED



### MINI RECEPTACLES



### MICRO RECEPTACLES (M12)



## FNS02 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.