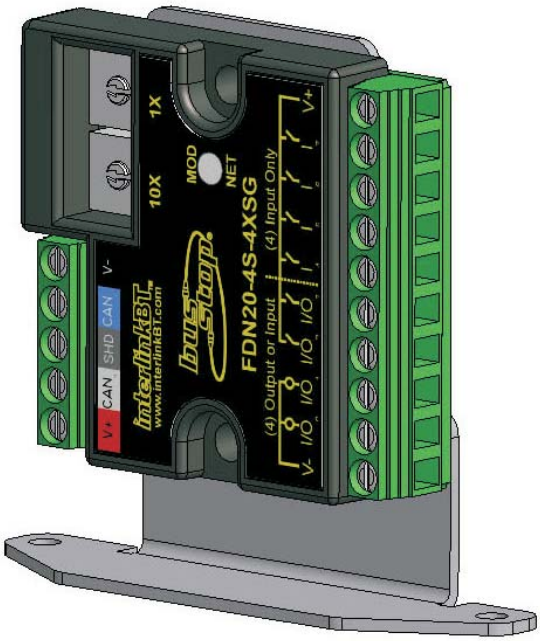


The ***busstop***® station provides a connection for 8 I/O points. The first 4 points can be either inputs or outputs. The other 4 points are inputs only. All inputs and outputs are powered by DeviceNet™. This is ideal for small systems that don't require auxiliary power.

To use an I/O point as an output, simply turn on the corresponding output bit. The output will switch on HIGH. Note that this will in turn cause the corresponding input bit to turn on. If the corresponding input does not turn on, the output is shortened.

The **FDN20-4S-4XSG-0189** supports explicit messaging, poll, change of state, and cyclic I/O messages. These connections are established through UCMM or predefined master/slave connection set.

FDN20-4S-4XSG-0189

Integrated Design

- Extremely flexible DeviceNet™ station
- Four inputs and four inputs/outputs

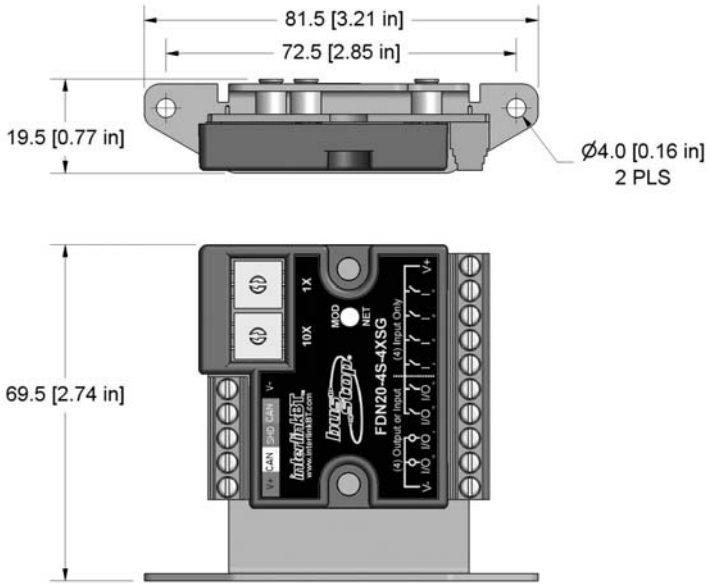
Application

- For operator stations
- For use with PNP Sensors or 0.5 Amp outputs

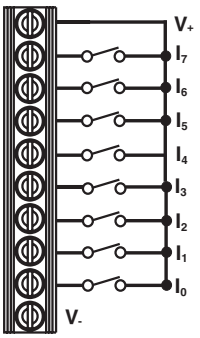
Features

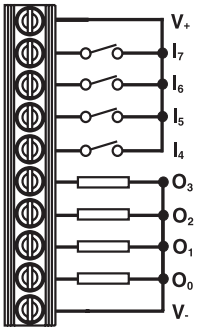
- PNP short-circuit protected inputs
- 0.5 Amp short-circuit protected outputs

Dimensions



Terminal Wiring





Module Specifications

Supply Voltage	
Bus Power	11-26 VDC
Internal Current Consumption	≤50 mA plus sum of sensor and output currents (from bus power)
Input Circuits	(4-8) PNP 3-wire sensors or dry contacts
Input Voltage (V+)	11-26 VDC (from bus power)
Input Short-Circuit (V+)	<700 mA (total, short-circuit protected)
Input Signal Current (Input)	OFF 0-4 V, 0-0.5 mA ON 8-24 VDC, 1-3.4 mA
Input delay	2.5 ms
Output Circuits	(4) DC actuators
Output Voltage	18-26 VDC (from Bus power)
Output Load Current	0.5 Amps each (from Bus power)
Maximum switching frequency	100 Hz
Rotary Switch	
	0-63: Address from switches 64-79: Address from EEPROM 80-99: Reserved
Network Status LED	
	Green: established connection Flashing Green: ready for connection Flashing Red: connection time-out Red: connection not possible
Housing	
Material	Nylon with Aluminum DIN Bracket
Enclosure	IP 20
Operating Temperature	-40° to 70°C (-40° to 158°F)

I/O Data Mapping

Product Type/Code: 7/3025

	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Input Data	0	I-7	I-6	I-5	I-4	I-3	I-2	I-1	I-0
	1	IGS	OGS	-	-	-	-	-	-
Output Data	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	0	-	-	-	-	O-3	O-2	O-1	O-0

Abbreviations

I = Input Data (0=OFF, 1=ON)
O = Output Data (0=OFF, 1= ON)
IGS = Input Group Status (0=Working, 1= Fault)
OGS = Output Group Status (0 =Working, 1= Fault)