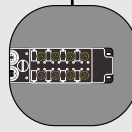


Active I/O Modules

- 16 inputs
- 8 input/8 output
- 8 output

The Brad® active I/O family of DeviceNet I/O modules can control a variety of DC PNP or NPN 24V sensors or dry contacts as well as variety actuators. These modules are intended for heavy-duty industrial use, as they are designed to meet or exceed IP68, NEMA 6P environments such as food processing, metal cutting and welding. Three configurations are available including 16 IN, 8IN/8OUT and 8 OUT to accommodate a variety of applications. Input circuits are provided with auto-configuration to allow either PNP and NPN sensors to be connected. Outputs are overload protected at 1A. A variety of LEDs including network, module, input and output status and auxiliary power indicators are provided to assist in diagnosing and trouble-shooting the network. The node address of the blocks can either be software or dip switch selected.



- Auto-sensing of either PNP/NPN switches allows any combination of devices to be connected providing you with flexibility
- IP68-rated for wash-down packaging and food processing environments
- Short-circuit protection on I/O protects blocks from damage, maximizing up-time

Active I/O Modules

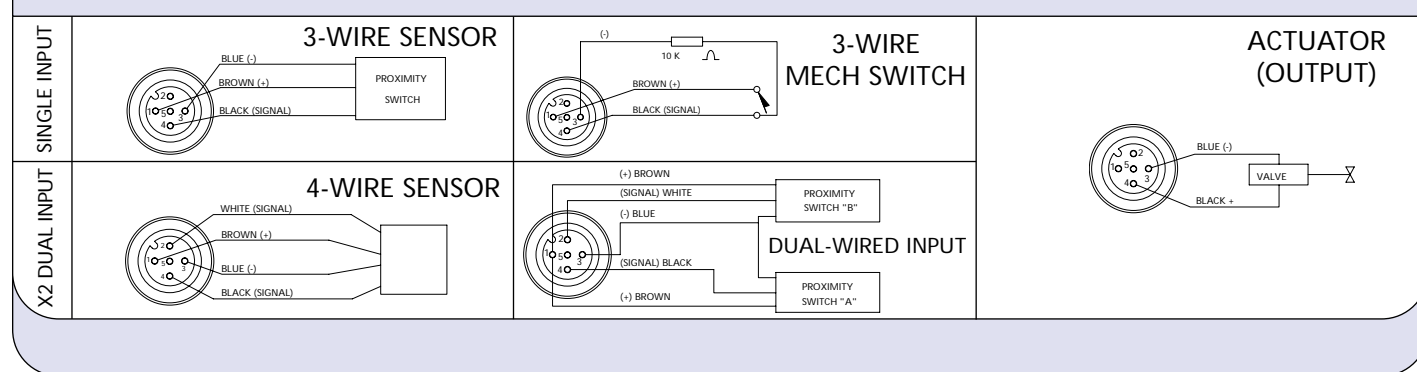
Specifications

	TDN-8C0-108	TDN-888-118	TDN-808-118
16 INPUT	8 INPUT / 8 OUTPUT	8 OUTPUT	
SUPPLY VOLTAGE BUS POWER: INTERNAL CURRENT CONSUMPTION:	11-25V DC 120mA MAX	11-25V DC 120mA MAX	11-25 V DC 120mA MAX
INPUT CIRCUITS: INPUT VOLTAGE: SENSOR CURRENT:	PNP OR NPN, 3 WIRE SENSORS OR DRY CONTACTS 11-25V (FROM BUS POWER) 100mA MAX PER INPUT PAIR LIMITED BY POLYSWITCH	PNP OR NPN, 3 WIRE SENSORS OR DRY CONTACTS 11-25V (FROM BUS POWER) 100mA MAX PER INPUT PAIR LIMITED BY POLYSWITCH	— —
OUTPUT CIRCUITS: OUTPUT VOLTAGE: OUTPUT CURRENT:	— —	DC ACTUATORS 10-30V DC (FROM AUXILIARY POWER) 1A/OUTPUT ELECTRONIC PROTECTION ≤100 HZ	DC ACTUATORS 10-30V DC (FROM AUXILIARY POWER) 1A/OUTPUT ELECTRONIC PROTECTION ≤100 HZ
MAXIMUM SWITCHING FREQUENCY:	—	—	—
NETWORK SETTINGS COMMUNICATION RATE: PROTOCOL CAPABILITIES: ADDRESSING:	125K, 250K, OR 500K SET VIA CONFIGURATION SOFTWARE OR DIP SWITCHES ON PRODUCT GROUP 2 ONLY SLAVE SUPPORTS POLLING, CYCLIC AND CHANGE OF STATE MESSAGING 0-63 SET VIA CONFIGURATION SOFTWARE OF DIP SWITCHES ON PRODUCT		
INPUT STATUS OFF: SOLID YELLOW SENSOR ACTIVE FAULT PRESENT	— — —	— — —	— — —
OUTPUT STATUS OFF: SOLID GREEN: SOLID RED:	— — —	— — —	— — —
MECHANICAL MATERIAL-HOUSING: CONTACT PLATING: SHELL MATERIAL: ENVIRONMENTAL PROTECTION: OPERATING TEMP: HUMIDITY: APPROVAL ODVA:	BLACK PBT GOLD OVER NICKEL, PER ODVA SPECIFICATION NICKEL-PLATED BRASS IP68: NEMA 6P 32° TO 140° F (0° TO 60° C) 5 TO 95% RH NON-CONDENSING COMPLIANT		
LED INDICATORS MODULE/NETWORK STATUS OFF: FLASHING GREEN: SOLID GREEN: FLASHING RED: SOLID RED:	NETWORK NOT POWERED OR MAY BE OFF-LINE ON-LINE, NO NETWORK CONNECTION ON-LINE, CONNECTIONS ESTABLISHED CONNECTIONS ARE IN TIMED-OUT STATE CRITICAL ERROR SUCH AS DUPLICATE MAC ID OR BUS OFF	MODULE LED NO POWER DEVICE ON STANDBY, NEEDS COMMISSIONING DEVICE OPERATIONAL RECOVERABLE FAULT – MAYBE CORRECTED W/O REMOVAL FROM NETWORK UNRECOVERABLE FAULT – MUST BE REMOVED FROM NETWORK FOR CORRECTIONS	

Wiring Information

DESCRIPTION	MODULE	FIG.	BUS IN MALE	BUS OUT FEMALE	AUX POWER	INPUTS	OUTPUTS
8 X 2 IN 16 TOTAL INPUTS, AUTO-SENSING PNP/NPN, SHORT-CIRCUIT PROTECTION	TDN-8C0-108	1					
4 X 2 IN/4 X 2 OUT, 8 INPUT/8 OUTPUTS, AUTO-SENSING PNP/NPN SHORT-CIRCUIT PROTECTION 1A OUTPUT	TDN-888-118	2					
8 X 1 OUT TOTAL 8 OUTPUTS 1A OUTPUT	TDN-808-118	2					

TYPICAL CONNECTIONS



* For bus IN/OUT cordsets use DN10A-MOX0 (bus in) and DN01A-MOX0 (bus out) – see pages 24-27
 ** For aux power cordsets see pages 64-65
 *** For dual I/O cordsets use 884030A05MOX0 or see pages 154-157 of Brad Harrison Designer's Guide
 **** For single I/O cordsets use Brad Harrison type 883030A09MOX0 or see pages 94-114 of Brad Harrison Designer's Guide
 Note: Use Adaptor P/N BG14616 to connect NC contact from sensor into active module

MODULE DIMENSIONS

