

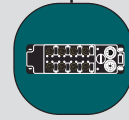
Discrete I/O Module

- 8 inputs / 8 outputs



With advances in today's technology, Ethernet transmission performance can now achieve levels that are acceptable in all but the most extreme time-dependent applications. As a result it is now possible to use Ethernet down to the I/O level in many situations. The BradControl™ I/O module facilitates this by maintaining an IP67 environmental protection rating from control cabinet to sensor or actuator providing the user with a number of operating advantages. Tolerant to temperature extremes and resistance to vibration, the BradControl I/O module is an "enclosureless" device intended for use on the factory floor, close to sensors and actuators.

Advanced network features such as 10/100 Mbps auto-sensing, web server capabilities, and a flexible IP address setup method, make configuration and operation simple. Following traditional industrial fieldbus practices, standard M12 connectors from sensing devices or actuators plug directly into the I/O module.



- Rated IP67 for harsh environments
- Designed for direct machine mount applications
- Standard threaded M12 connectors
- Supports PNP input devices
- Visible LEDs provide maintenance personnel with the ability to easily determine I/O, module and network status
- Supports the EtherNet/IP™ application layer
- Static or dynamic IP address configuration
- 10/100 Mbps auto-sensing capability
- Built-in web server for remote monitoring and configuration

PART NUMBER	DESCRIPTION
TEN-888-R18-05	8 PORT M12 – 8 INPUTS PNP / 8 SOURCING OUTPUTS

Note: NPN and PNP references refer to the input device connecting to the I/O module.

I/O CONFIGURATIONS	8 inputs / 8 outputs
I/O CONNECTORS	MICRO-CHAN [®] 5-POLE M12 FEMALE
NETWORK CONNECTOR	RJ-LNXX IP67 INDUSTRIAL FEMALE RECEPTACLE
POWER CONNECTORS	POWER IN:MALE MINI-CHAN [®] 4-POLE POWER OUT:FEMALE MINI-CHAN [®] 4-POLE
EXTERNAL POWER REQUIREMENTS	24 Vdc
COMMUNICATIONS RATE	10/100 Mbps AUTO-SENSINGAUTO-DETECTINGFULL DUPLEX
ADDRESS CAPABILITIES	BOOTP (DEFAULT), DHCP, STATIC
INPUT TYPE	COMPATIBLE WITH DRYCONTACT AND PNP 3-WIRE SWITCHES. ELECTRONIC SHORT CIRCUIT PROTECTION
INPUT DEVICE SUPPLY	100 mA PER PORT AT 25°C
OUTPUT LOAD CURRENT	MAXIMUM 1.0 A PER CHANNEL ELECTRONIC SHORT CIRCUIT PROTECTION
MAXIMUM SWITCHING FREQUENCY	100 Hz
DIMENSIONS	69X 257 X 38 mm (2.75 X 10.125 X 1.55 INCHES)
MOUNTING DIMENSIONS	38.4 mm (1.51 INCHES) HORIZONTAL ON CENTERS 210 mm (8.27 INCHES) VERTICAL ON CENTERS CENTER HOLE
OPERATING TEMPERATURE	0°C TO 70°C (32°F TO 158°F)
STORAGE TEMPERATURE	-40°C TO 85°C (-40°F TO 185°F)
RH OPERATING	5 TO 95%NON-CONDENSING
PROTECTION	IP67 ACCORDING TO IEC 60529NEMA 6P
VIBRATION	MIL-STD-202F, METHOD 204D, CONDITION A
MECHANICAL SHOCK	MIL-STD-202F, METHOD 213B, CONDITION B
THERMAL SHOCK	MIL-STD-1344A

LED Indicators

Auxiliary Power (AUX POWER):

Green -auxiliary power present
Red -reverse polarity
Off -auxiliary power not connected

Network Status (NET STATUS):

Green -CIP connections
Flash Green -no connection
Flash Red -connection time-out
Red -duplicate IP address
Flash Red/Green -self test
Off -no power, no IP address

I/O Module Status (MOD STATUS):

Green -operational
Flash Green -standby
Flash Red -minor fault
Red -major fault
Flash Red/Green -self test
Off -no power

Input / Output (Ix / OX):

Yellow -input / output on
Red -input / output fault
Off -input / output off

Ethernet Link (LNK):

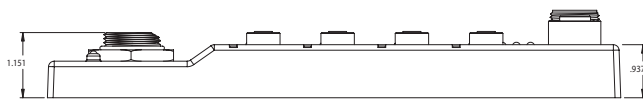
Red -link established
Off -no link

Ethernet Activity (ACT):

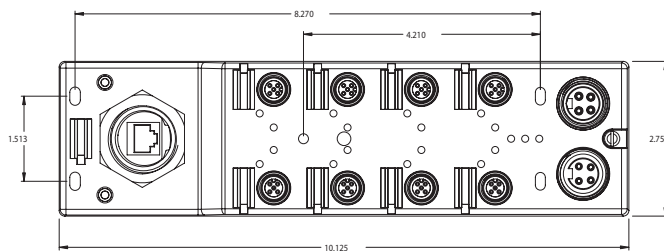
Flashing Red -network activity
Off -no network activity

MODULE DIMENSIONS

Side View



Top View



For product & technical information visit www.woodhead.com/eCatalog