

This operator 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 input, simply leave the corresponding output off.

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

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

ODNA-4S-4XSG-E

Integrated Design

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

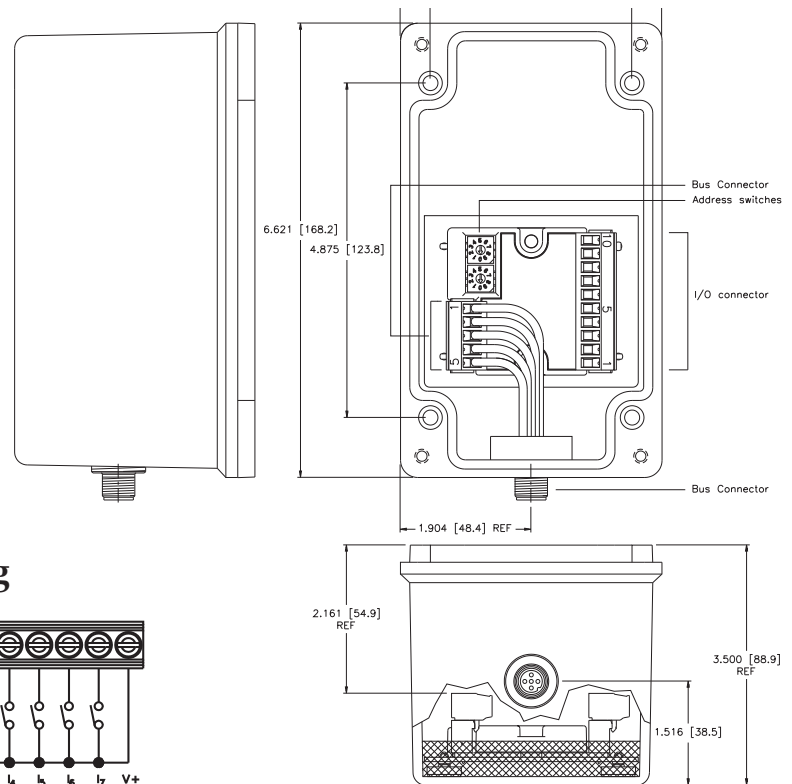
Application

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

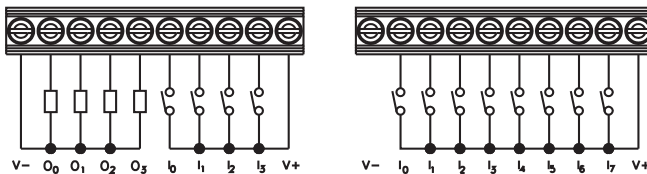
Features

- PNP short-circuit protected inputs
- 0.5 amp short-circuit protected outputs
- All of the I/O is powered by DeviceNet

Dimensions



Screw Terminal Wiring



To Connect as **Output** (I/O points 0-3 shown connected as outputs)

To Connect as **Input**

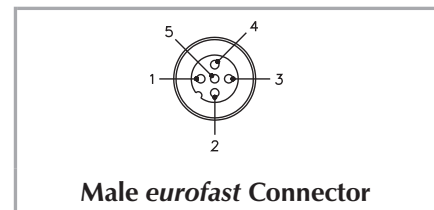
DeviceNet™

Style: 5-pin *eurofast*®

Cordset: Bus Line use RSC RKC 57*-*M

Tee: Bus Line use RSM-FKM-RKM 57

- 1 = Shield
- 2 = V+
- 3 = V-
- 4 = CAN_H
- 5 = CAN_L



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 A 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

168 x 97 x89 (H x W x D)

Material Fiberglass
Mounting 1 through holes, 4.5 mm diameter
Enclosure NEMA 4 and IEC IP 67
Operating temperature -25° to 70°C (-13° to 158°F)

Covers

OCA-B (Blank)
OCA-1-30 (1 Hole 30mmd.)
OCA-2-30 (2 Hole 30mmd.)
OCA-1-22 (1 Hole 22mmd.)
OCA-2-22 (2 Hole 22mmd.)
OCA-3-22 (3 Hole 22mmd.)

I/O Data Mapping

Product Code: F1014

Input Data	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	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)

OGS = Output Group Status (0=Working, 1=Fault)
IGS = Input Group Status (0=Working, 1=Fault)