

CDN2-IOM22-0012

This *busstop*® station is designed to replace the equivalent CDN station. The PLC will not need to be reconfigured.

Note: There is no EDS file available for this station.

Each input connector provides V+, V-, and input. The V+ provides power to the attached sensor. The V+ is short-circuit protected and monitored as a group. The input will work with a PNP sensor or dry contact to V+.

Each output connector provides Aux- and output. Outputs are individually short-circuit protected and monitored individually.

The node address can be set using the rotary switches located under the device cover or through software node commissioning. The unit automatically detects the communication rate.

The **CDN2-IOM22-0012** supports explicit messaging, poll, change of state, and cyclic I/O messages. These connections are established through UCMM or predefined master/slave connection set.

CDN2-IOM22-0012

- Advanced DeviceNet™ station
- Two discrete inputs and two discrete outputs

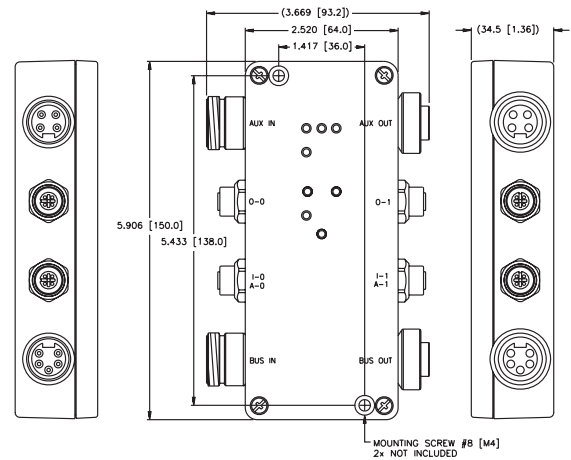
Applications

- For wet and dry environments
- For use with four 3-wire proximity and photoelectric sensors, and four discrete actuators

Features

- PNP short-circuit protected inputs
- 0.5 amp short-circuit protected outputs
- Rotary Address Switches

Dimensions



Connectors

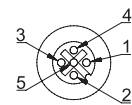
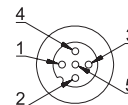
DeviceNet

Style: 5-pin *minifast*®

Cordset: Bus Line use RSC RKC 572-*M

Tee: Bus Line use RSC 2RKC 57

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



Male

Female

Through Bus



Connectors

<p>Style: 5-pin <i>eurofast</i>®</p> <p>Cordset: Single Sensor use RK 4.4T-* -RS 4.4T</p>	<p>1 = V+</p> <p>2 = Alarm</p> <p>3 = V-</p> <p>4 = Input</p> <p>5 = PE</p>		
	<p>Single Sensor Splitter & 2 Sensors</p>		

<p>Type "G"</p> <p>Style: 5-pin <i>eurofast</i>®</p> <p>Cordset: Single Sensor use RK 4.4T-* -RS 4.4T</p> <p>Field Wireable: Single Output use BS 8141-0</p>	<p>1 = N/C</p> <p>2 = N/C</p> <p>3 = GND</p> <p>4 = Output</p> <p>5 = N/C</p>	
	<p>Single Output</p>	

<p>Aux Power</p> <p>Style: 4-pin <i>minifast</i>®</p> <p>Cordset: Aux Power use RSM RKM 46-* M</p> <p>Tee: Bus Line use RSM 2RKM 57</p>	<p>1 = Aux+</p> <p>2 = E+</p> <p>3 = E-</p> <p>4 = Aux-</p>		
	<p>Male Female</p> <p>Auxiliary Power</p>		

I/O Data Mapping

Vendor Code: 48 Product Code: 193

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

Abbreviations

I = Input Data (0= OFF, 1= ON)

ISS = Input Short Status (0=Working, 1=Fault)

IOS = Input Open Status (0=Working, 1=Fault)

O = Output Data (0=OFF, 1=ON)

OS = Output Status (0=Working, 1=Fault)

OCS = Output Group Status (0=Working, 1=Fault)

CDN2-IOM22-0012
Two PNP Input and Two 0.5 A Output
Group Diagnostic**Module Specifications****Supply Voltage**

Bus Power	11-26 VDC
Internal Current Consumption	≤ 75 mA plus sum of sensor and output currents (from bus power)
Auxiliary Power	18-26

Input Circuits

(2) 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 <2 mA ON 3.0-3.4 mA at 24 VDC
Input Delay	2.5 ms

Output Circuits

(2) DC actuators

Output Voltage	18-26 VDC (from bus power)
Output Load Current	0.5 A per output (from auxiliary power)
Open Circuit Current	100 Hz

I/O LED Indications

OFF = Off
Green = On**Module/Network LED Status**

Green: Established connection
Flashing Green: Ready for connection
Flashing Red: Connection time-out, I/O short-circuit, or Aux Power Failure
Red: Connection not possible
Flashing Amber: Detecting Autobaud Rate**Aux Power LED**

ON = Auxiliary Power On
OFF = No Auxiliary Power**Adjustments**

via Rotary Switch

Address	0-63
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Housing

Material	Aluminum
Enclosure	NEMA 1, 3, 4, 12, 13 and IEC IP 67
Operating Temperature	-40° to 70°C (-40° to 158°F)

Compliances	CSA, CE and ODVA
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