

## FDNP-L0402H-TT-0198

This *busstop*® station is designed specifically to replace the CDN-IOM-22-0032.

No reconfiguration of the PLC is necessary.

## FDNP-L0402H-TT-0198

- Advanced DeviceNet™ Station
- 2 x 2 discrete inputs and 2 discrete outputs

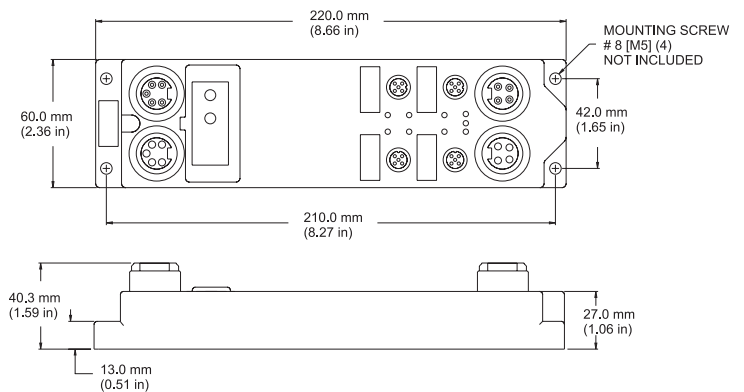
### Applications

- For wet or dry environments
- For use with eight 3-wire or four 4-wire proximity and photoelectric sensors, and eight discrete actuators

### Features

- NPN/PNP short-circuit protected inputs with open-circuit protection
- 2 Amp short-circuit protected outputs
- Glass filled nylon with nickel plated brass connectors
- Rotary address switches

## Dimensions



## Connectors

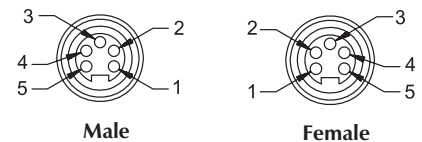
### DeviceNet

**Style:** 5-pin *minifast*®

**Cordset:** Bus Line use RSM RKM 579-\*M

**Tee:** Bus Line use RSM 2RKM 57

- 1 = Shield
- 2 = V+
- 3 = V-
- 4 = CAN\_H
- 5 = CAN\_I



Through Bus



### Connectors (continued)

<p><b>Type "2L"</b>  <b>Style:</b> 5-pin <i>euromast</i>®  <b>Cordset:</b> Sensor with 2Signals use RK 4.4T-*  <b>Splitter:</b> Splitter and 2 Sensors VBRS 4.4-2RK 4T-*/*</p>	<p>1 = V+ (A)                  2 = Input B                  3 = V-                  4 = Input A                  5 = V+ (B)</p>	<p style="text-align: center;"><b>Sensor with 2 Signals</b></p>
<p><b>Type "H"</b>  <b>Style:</b> 5-pin <i>euromast</i>®  <b>Cordset:</b> Single Output use RK 4.4T-*  <b>Field Wireable:</b> Single Output use BS 8141-0</p>	<p>1 = N/C                  2 = N/C                  3 = GND                  4 = Output                  5 = PE</p>	<p style="text-align: center;"><b>Single Output</b></p>
<p><b>Type "T"</b>  <b>Style:</b> 4-pin <i>minifast</i>®  <b>Cordset:</b> Aux Power use RSM RKM 46-*M  <b>Tee:</b> Aux Power use RSM 2RKM 40</p>	<p>1 = Aux+                  2 = E+                  3 = E-                  4 = Aux-</p>	<p style="text-align: center;"><b>Auxiliary Power</b></p>

### I/O Data Mapping

Product Code: 7/517 (205 hex)

	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
<b>Input Data</b>	0	OSS-1	OSS-0	ISS-1	ISS-0	A-1	I-1	A-0	I-0
<b>Output Data</b>	0	-	-	-	-	-	-	O-1	O-0

### Abbreviations

- I = Input Data (0=OFF, 1=ON)
- A =
- OSS-1 =
- ISS-1 =

## Module Specifications

### Supply Voltage

Bus Power	11-26 VDC
Internal Current Consumption	≤100 mA plus sum of sensor currents (from bus power)
Auxiliary Power	18-26 VDC, optically isolated

### Input Circuits

(4) NPN/PNP 3-wire sensors or dry contacts

Input Voltage (V+)	11-26 VDC (from bus power)
Open Circuit Current (V+)	≤ 1mA
Sensor Current (V+)	< 80 mA per input, short-circuit protected
Input Signal Current (Input)	OFF < 2 mA ON 3.0-3.4 mA at 24 VDC
Input Delay	2.5 ms
Maximum Switching Frequency	100 Hz

### Output Circuits

(2) DC actuators

Output Voltage	18-26 VDC (from auxiliary power)
Output Load Current	2.0 A per output (8 Amps total)
Open Circuit Current	< 1 mA per output
Maximum Switching Frequency	100 Hz

### I/O LED Indications

Amber = Open circuit  
 OFF = Off  
 GREEN = On  
 RED = Short-circuit

### Module Status LED

Green: working properly  
 Flashing Green: detecting autobaud rate  
 Flashing Red: I/O short-circuit

### Network Status

Green: established connection  
 Flashing Green: ready for connection  
 Flashing Red: connection time-out  
 Red: connection not possible

### Adjustments

via Rotary Switch

Address	0-63
Communication Rate	Auto/125k/250k/500k

### Housing

Material	Glass filled nylon with nickel plated brass connectors
Enclosure	NEMA 1, 3, 4, 12, 13 and IEC IP 67
Operating Temperature	-25° to 70°C (-13° to 158°F)