

**Deluxe Input Stations**



- FDNL-L0800-T
- FDNL-L0800-T-V
- FDNL-L1600-T
- FDNL-L0800-C
- FDNL-L1600-C



- Rugged, Fully Potted Stations
- IP 67 Protection
- Rotary Address Switches
- Automatic Baud Rate Sensing

**Electrical**

- Operating Current: ≤100 mA (8-in) or 140 mA (16-in) plus sum of input currents (from DeviceNet)
- Sensor Current: <80 mA per input (from DeviceNet)

**Power Distribution**

- Inputs: DeviceNet power supply

**Mechanical**

- Operating Temperature: -25 to +70°C (-13 to +158°F)
- Protection: NEMA 1,3,4,12,13 / IEC IP 67
- Vibration: 50 g @ 10-500 Hz

**Material**

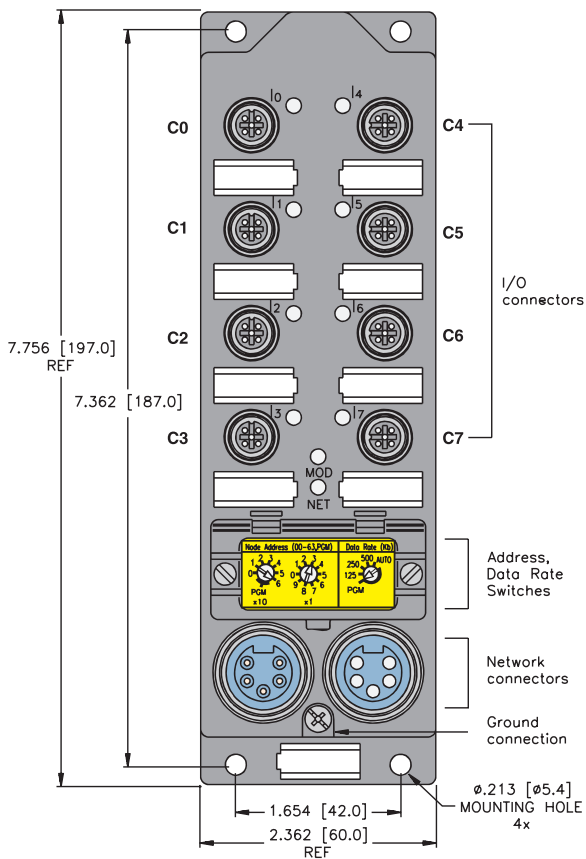
- Connectors: Nickel-plated brass (stainless steel available on request)
- Housing: Nylon 6 (other materials available on request)

**Diagnostics (Logical)**

- Open/short-circuit status mapped to DeviceNet I/O table, one bit each per I/O point

**Diagnostics (Physical)**

- Individual LED to indicate open/short-circuit for each channel
- LEDs to indicate status of DeviceNet communication



**DeviceNet minifast® Pinouts**

Male	Female
5-Pin	5-Pin

FDNL-...-T

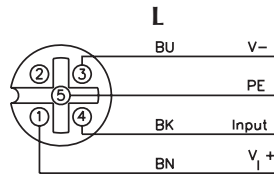
**DeviceNet eurofast® Pinouts**

Male	Female
5-Pin	5-Pin

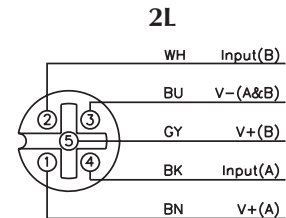
FDNL-...-C

Inputs									Data
Part Number	Input Count	Connectors	Pinout	Inputs per Connector	Sensor Style	Group Diagnostics	Individual Diagnostics	Wire-Break Detection	I/O Map
FDNL-L0800-T	8	0-7	L	1	NPN/PNP		X	X	1
FDNL-L0800-T-V	8	0-7	L	1	NPN/PNP		X	X	1
FDNL-L1600-T	16	0-7	2L	2	NPN/PNP		X	X	2
FDNL-L0800-C	8	0-7	L	1	NPN/PNP		X	X	1
FDNL-L1600-C	16	0-7	2L	2	NPN/PNP		X	X	2

### Input Connectors



**Mating cordset:**  
RK 4.4T-\*-RS 4.4T



**Mating cordset:**  
**Sensor with dual outputs:**  
RK 4.4T-\*-RS 4.4T  
**Two sensors:**  
RK 4.5T-\*-RS 4.5T  
**Splitter:**  
VBRS 4.5-2RK 4T-\*/\*/S818

I/O Data Map 1

In	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	ISS-7	ISS-6	ISS-5	ISS-4	ISS-3	ISS-2	ISS-1	ISS-0	
2	IOS-7	IOS-6	IOS-5	IOS-4	IOS-3	IOS-2	IOS-1	IOS-0	

I/O Data Map 2

In	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	I-15	I-14	I-13	I-12	I-11	I-10	I-9	I-8	
2	ISS-7	ISS-6	ISS-5	ISS-4	ISS-3	ISS-2	ISS-1	ISS-0	
3	ISS-15	ISS-14	ISS-13	ISS-12	ISS-11	ISS-10	ISS-9	ISS-8	
4	IOS-7	IOS-6	IOS-5	IOS-4	IOS-3	IOS-2	IOS-1	IOS-0	
5	IOS-15	IOS-14	IOS-13	IOS-12	IOS-11	IOS-10	IOS-9	IOS-8	