

Analog Input Station



FDNQ-4AI-V/I-T

- Rugged, Fully Potted Stations
- IP 67, IP 68, IP 69K Protection
- Compact Housing
- Automatic Baud Rate Sensing

Electrical

- Operating Current: <100 mA plus sum of input currents (from DeviceNet)
- Sensor Current: 0-20 mA or 4-20 mA analog signal (16-bit signed integer)
- Sensor Voltage: 0 to 10 V or -10 to +10 V Analog signal (16 bit signed integer)

The voltage/current ranges can be adjusted via rotary switch on front of station.

Power Distribution

- Inputs: DeviceNet power supply

Mechanical

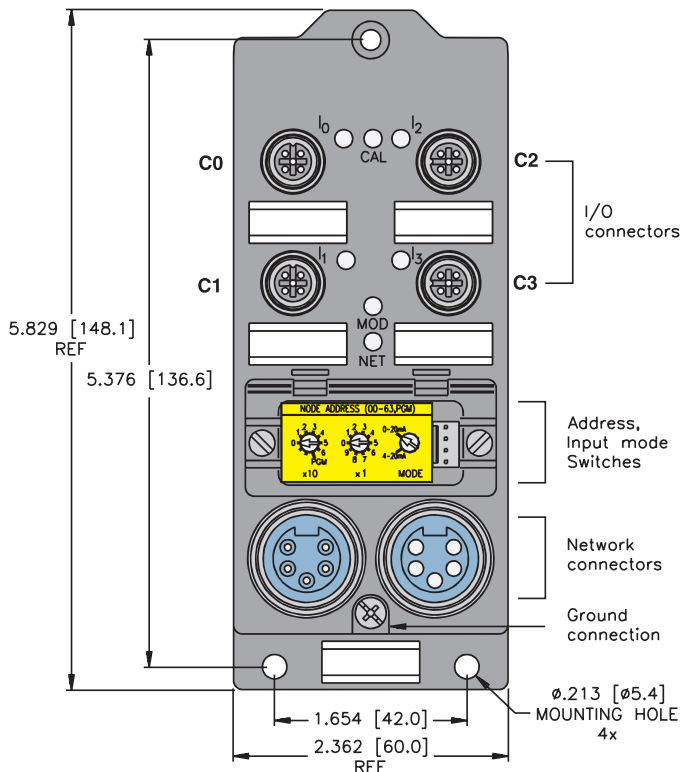
- Operating Temperature: -40 to +70°C (-40 to +158°F)
- Protection: NEMA 1,3,4,12,13 / IEC IP 67, IP 68, IP 69K
- Vibration: 50 g @ 10-500 Hz

Material

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

Diagnostics (Physical)

- LEDs to indicate status of DeviceNet communication



DeviceNet minifast Pinout

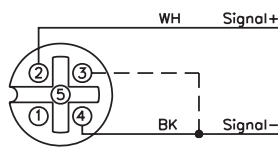
Male	Female
5-Pin	5-Pin

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

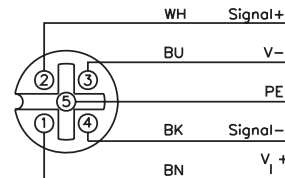
Inputs									Data
Part Number	Input Count	Connectors	Pinout	Inputs per Connector	Sensor Style	Group Diagnostics	Individual Diagnostics	Wire-Break Detection	I/O Map
FDNQ-4AI-V/I-T	4	0-3	AI-I	1	0-20 mA, 4-20 mA 0-10 V -10 to +10 V				1

Input Connectors

AI-I



Loop Powered (Isolated)



DeviceNet Powered Transducer

Mating cordset:

Isolated Loop:

RK 4.5T-*M-RS 4.5T/S653

Loop Powered:

RK 4.5T-*M-RS 4.5T/LPS/S653

Note: The "LPS" in the part number indicates that the cord jumpers pin 3 to pin 4 on the male side to the signal- to the station common. Pin 3 is not connected at the female end.

Applications:

TURCK Sensors:
LU; RK 4.4T-*RS 4.4T/S1118

LI; RK 4.4T-*RS 4.4T/S1120

I/O Data Map 1

In	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	0								Channel 0, LSB
	1								Channel 0, MSB
	2								Channel 1, LSB
	3								Channel 1, MSB
	4								Channel 2, LSB
	5								Channel 2, MSB
	6								Channel 3, LSB
	7								Channel 3, MSB