

E-LINK 3000 SERIES FIELD MOUNTED TRANSMITTER

5 CONFIGURATION SELECTIONS

TRANSMITTER PERFORMS 3 FUNCTIONS

- JUNCTION BOX -
- SIGNAL CONDITIONER -
- DIGITAL TRANSMITTER -



*Modbus RTU
over RS 485*



CANopen

*Modbus TCP
over Ethernet*

Standard Features include:

- Meets all the modern requirements for connection and transmission
- Choose from five different configurations to satisfy your field installation requirements
- Remote configuration from a computer with dedicated software (included)
- Remote configuration directly from master through the chosen protocol
- Can be part of any industrial supervision and control system
- Local and remote diagnostics and fault location
- Emulation control and automatic re-calibration compensates for a faulty load cell
- Supports 2 to 4 load cell inputs
- Full RFI / EMI shielding meets U.S and Canadian regulations
- Reinforced Fiberglass Enclosure, NEMA 4X with liquid-tight connectors

Optional Features include:

- 100 - 240 Vac operation via an integral 24 Vdc power supply
- Stainless steel, NEMA 4X Enclosure
- Explosion-proof, NEMA 7 Enclosure

Specifications

Power Requirements

Input Voltage 12 to 24 Vdc \pm 15%
 Excitation Voltage 5 Vdc
 Signal Input Range -5 to +5 mV/V

Environmental

Operating Temperature +14 to 122°F (-10 to +50°C)
 Storage Temperature -4 to 158°F (-20 to +70°C)

Performance

A/D Converter 24 bits
 Internal Resolution > 16,000,000 counts
 Resolution @ 2 mV/V > 3,000,000 points on each load cell channel
 Input Sensitivity 0.003 μ V per count
 No. of readings per second 0.1 to 72 depending on the number of load cells and the digital filter selection
 Linearity > \pm 0.01% of F.S.
 Thermal Drift > \pm 0.0003% of F.S./°C

Serial Output

Port 1 : RS-232 (for configuration from PC)
 Port 2 : RS-485 with Modbus RTU protocol
 Profibus-DP, DeviceNet, CANOpen or
 Modbus TCP over Ethernet

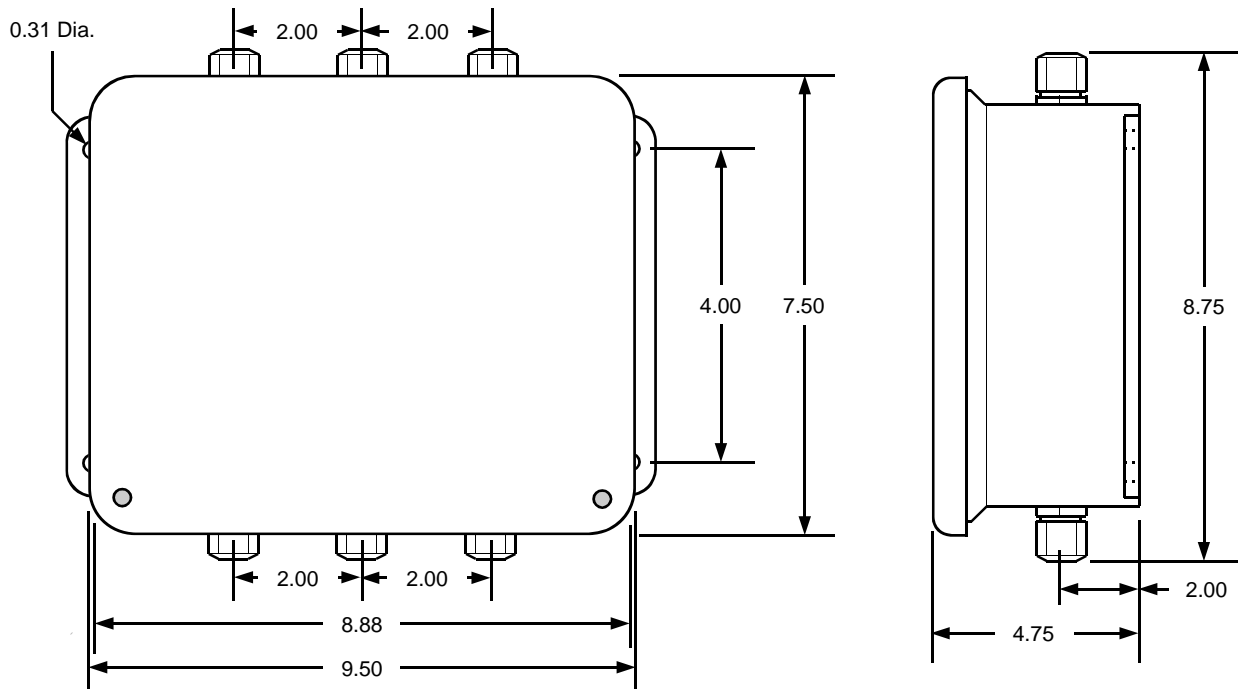
Electrical Connections

Load Cells 4 terminal blocks, 7-positions each, 0.2"
 Power Supply, RS-232 / 485 1 terminal block, 7-positions, 0.2"
 Profibus-DP Sub-D connector, 9-pin
 DeviceNet 1 terminal block, 5-positions, 0.2"
 CANOpen Sub-D connector, 9-pin
 Ethernet RJ-45 connector

Enclosure

Mounting Wall Mount
 Material Fiberglass
 Protection NEMA 4X
 Weight 4 lbs.

DIMENSIONS (inches)



Ordering Guide E-LINK 3XYZ (Replace X, Y & Z with number corresponding to configuration requirements)

X = PROTOCOL

1. Modbus RTU via RS-485
2. Modbus TCP via Ethernet
3. Profibus-DP
4. CANOpen
5. DeviceNet

Y = ENCLOSURE TYPE

1. Board only (DIN Rail Mtg.)
2. Fiberglass, NEMA 4X
3. Stainless Steel, NEMA 4X
4. Explosion-proof, NEMA 7

Z = SOFTWARE CONFIGURATION

1. Standard Version
2. Special Version (TBD)

EXAMPLE: To order an E-Link 3000 Series Transmitter in a fiberglass enclosure with DeviceNet Output and standard software the catalog number = E-LINK3521

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