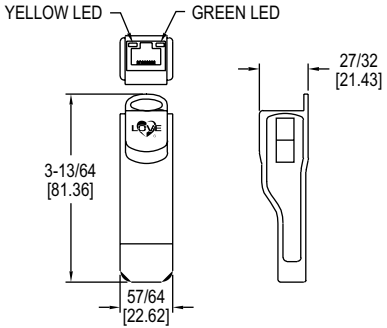
Dwyer

MODEL MN-1

MINI-NODE™ COMMUNICATION SIGNAL CONVERTER

Converts RS-485 to USB, Integral USB Connector, No External Power



The **Model MN-1 Mini-Node™ Communication Signal Converter** is a low-cost device that converts half-duplex RS-485 serial communications signals into a signal that can be read by any computer with a USB port. The integral USB connector and RJ-45 connector reduces setup time by eliminating extra wiring. The Model MN-1 is powered via the USB connection which eliminates the need for an external power source. The compact size is great for field installation, control panels, and lab testing.

BENEFITS/FEATURES

- Converts half-duplex RS-485 via USB port
- Reduces set up time of process controllers

APPLICATIONS

- Oven, boiler, or chiller control
- Hot plates/melt pots
- Packaging equipment
- Environmental chambers
- Medical equipment
- Foodservice equipment

SPECIFICATIONS

Power Requirements: No external power required.
Power Consumption: 0.4 W.
Isolated Voltage: 3000 VDC.
Input Impedance: 96 kΩ.
USB Connector: B-type (female).
RS-485 Connector: RJ-45.
Baud Rate: 75, 150, 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, and 115200 bps.
Compatibility: Full compliance with USB V.2.0 specification.
Compliance: CE.

MODEL CHART

Model	Description
MN-1	Mini-Node™ USB to RS-485 converter