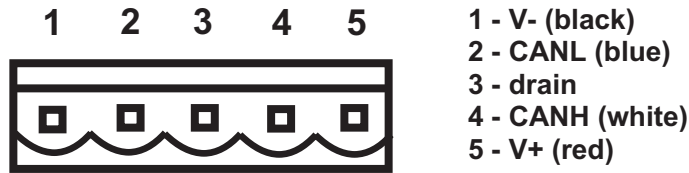


DeviceNet Network Monitor

INSTRUCTIONS

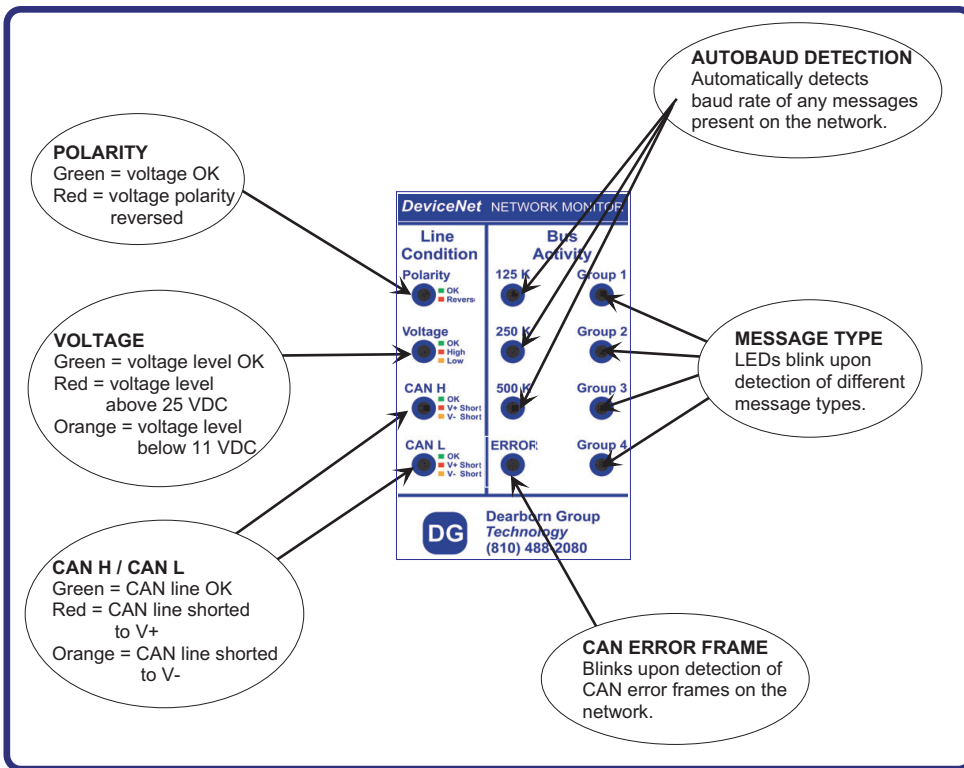
The DeviceNet Network Monitor is a small, bus-powered tool used in physical layer diagnostics and monitoring functions. The network monitor is completely passive, does not require a MAC ID, and will not interfere with bus traffic.

To use the monitor, plug the screw connector to any tee or open bus connection.



On startup, the Network Monitor will go through a self-test sequence. If the network line conditions are normal, the Polarity, Voltage, CAN H, and CAN L LEDs will all be green. If the network bus traffic is normal, the bus speed will be autobaud detected at 125K, 250K, or 500K; and the Group 1, Group 2, Group 3, and Group 4 LEDs will blink in accordance with message traffic present on the network.

The ERROR LED may flash occasionally upon detection of CAN error frames; the cause is typically a faulty node or a bad cable connection. After 96 CAN error frames are detected, the ERROR LED will remain solid until valid messages are detected.



A termination resistor (120 ohms) can be placed across CAN H (pin 4) and CAN L (pin 2) of the connector, to provide termination if the Monitor is being used to debug a split network.

Since short detection is being accomplished in a non-intrusive manner, both CAN H and CAN L may indicate the same short condition if the Monitor is placed too closely to another node on the bus.

For technical support, please contact Dearborn Group (at the numbers listed below).



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