

Installation Instructions General Electric MD-6517-N Motion Detector

Instructions

Please follow these instructions to connect the MD-6517-N to the NMEA 2000 network via a Maretron SIM100 Switch Indicator Module. The wiring diagram appears in Figure 1 below.

1. Connect the MD-6517-N power terminals to a 7-16VDC supply that is independent of the NMEA 2000 network power supply as shown in Figure 1 below.
2. Connect the COM and T/NO terminals to the appropriate SWxA and SWxB terminals on the SIM100 as shown in Figure 1 below.
3. Use a DSM250 (firmware 1.3.5 or greater) or other Maretron display product capable of configuring the SIM100 to set the Configure the "Channel #x Mode" to "End of Line Resistor".
4. Supply power to the NMEA 2000 network and to the MD-6517-N and verify that the switch channel indicates the "off" (normal) state using N2KView or N2KAnalyzer.
5. Perform a walktest on the MD-6517-N and verify that the switch channel indicates an "on" (alarm) state using N2KView or N2KAnalyzer during the test.
6. Disconnect one of the alarm wires from the SIM100 and verify that the switch channel indicates an "error" state. Reconnect the wire after the test.

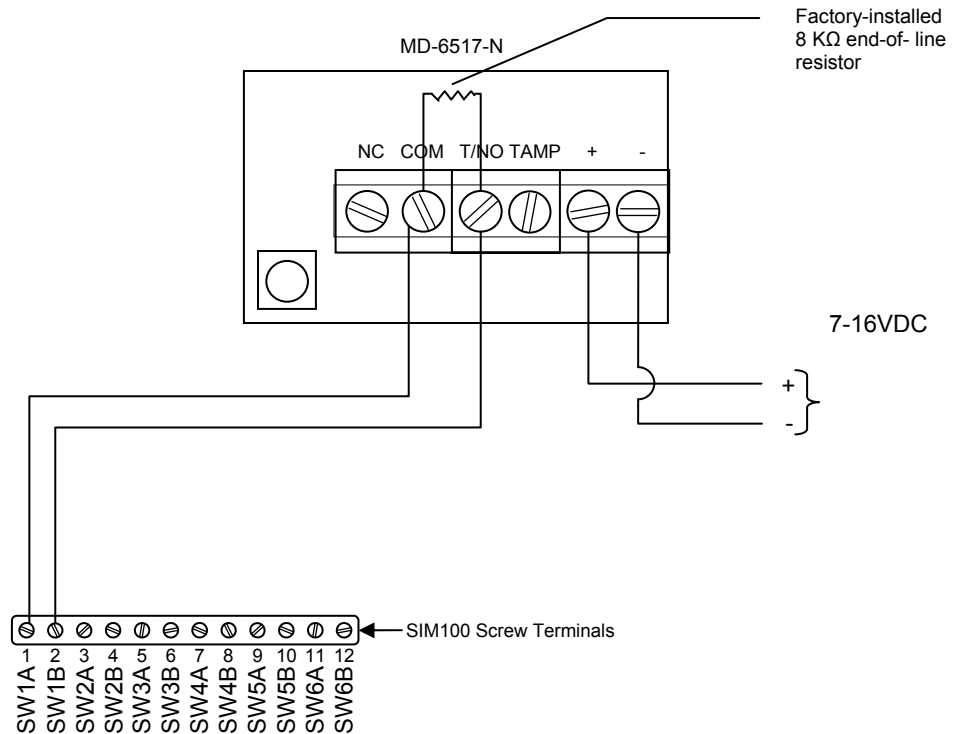


Figure 1 – Wiring Diagram



WARNING: The MD-6517-N is shipped with a 8KΩ end-of-line resistor installed between the COM terminal and the T/NO terminal. Do not remove the resistor, as it is required for proper operation.

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