Installation Instructions

MS-1035, MS-1055-N, MS-1075, MS-1085-N Magnetic Switches

Instructions

Please follow these instructions to connect any of the MS-1035, MS-1055-N, MS-1075, or MS-1085-N to the NMEA 2000 network via a Maretron SIM100 Switch Indicator Module. The wiring diagram appears in Figure 1 below. The diagram shows a connection to channel #1, but connections to other channels are similar.

1. Connect the two alarm contact terminals of the sensor portion of the magnetic switch to a free switch channel. The example in Figure 1 shows the sensor portion of the magnetic switch connected to switch channel 1 with one wire connected to “SW1A”, and the second wire connected to “SW1B”.

2. Use a Maretron DSM250 display (firmware 1.3.5 or higher), the DSM250 viewing function of the Maretron N2KAnalyzer software, or other Maretron display product capable of configuring the SIM100 to set the switch channel mode (indicated as “Channel #*x* Mode” on the DSM250) for the appropriate channel to “No End of Line Resistor”. For this example, you would set “Channel #1 Mode” to “No End of Line Resistor”.

3. Supply Power to the NMEA 2000 network and verify that the switch channel indicates an “off” (alarm) state using Maretron N2KView software, N2KAnalyzer, or other product capable of displaying switch indicator state.

4. Place the magnetic portion (the part with no connected wires) of the switch close to the sensor portion (the part with connected wires) of the switch and verify that the switch channel indicates an “on” (normal) state during the test.

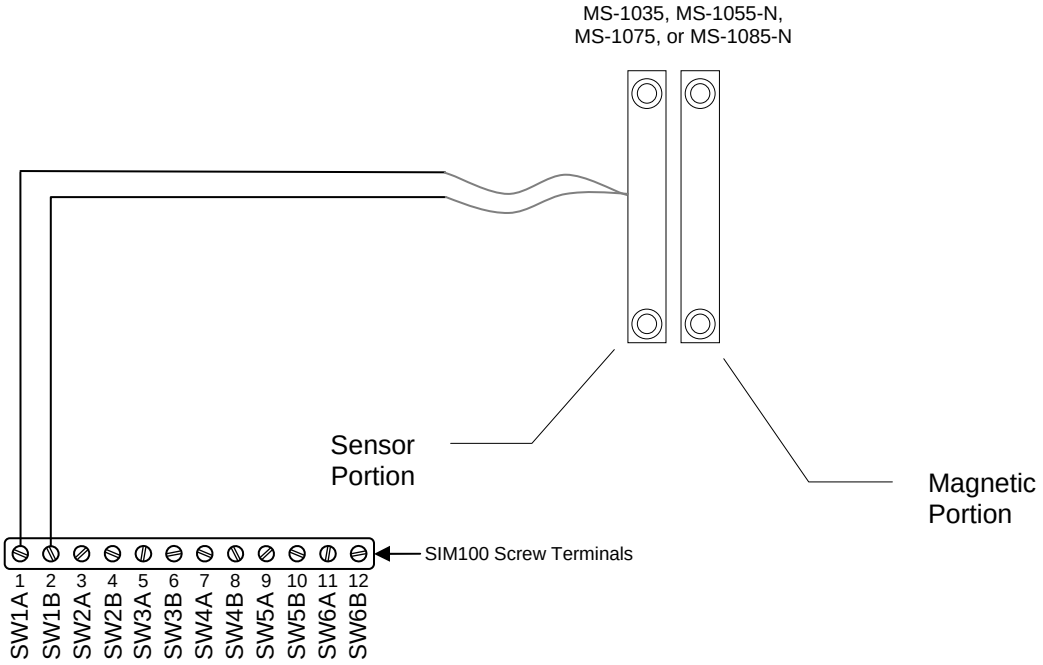

Figure 1 - Wiring Diagram

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