

NEW PRODUCT OVERVIEW

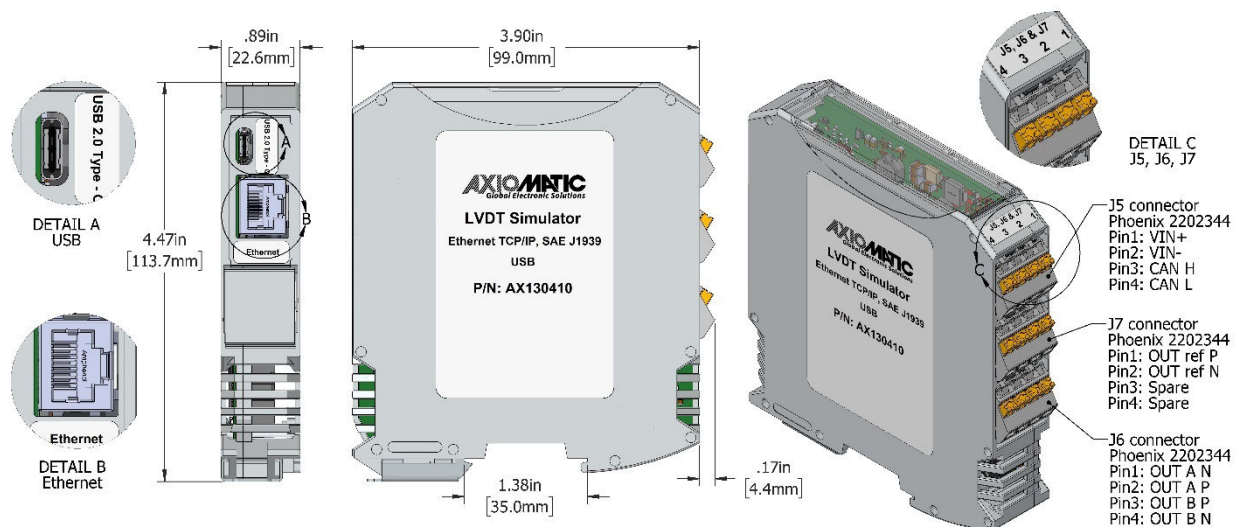
March 19, 2025 – Mississauga, ON, Canada

Axiomatic is developing a precision LVDT Signal Conditioner. The AX130410 controller simulates an LVDT signal with high precision for use in various industrial applications. High precision is achieved by the use of FPGA technology.

The signal conditioner interfaces with various communication networks to provide a command message and generates two (2) isolated outputs of 1-5VAC. An internal oscillator outputs at 400 Hz +/- 0.1% at 3VAC as an excitation source. Based on the command message, output voltage A increases from 1 to 5VAC and the output voltage B decreases from 5 to 1VAC. Short circuit protection is provided.

A key feature is quick configuration to permit use in different set ups by the end user. **The LVDT simulator interfaces with CAN and Ethernet TCP/IP networks.** Adjustments can be accomplished with the Axiomatic Electronic Assistant or a web-browser. **A USB-C interface is also provided.**

It operates from 4 to 32VDC with reverse polarity protection. The LVDT Simulator mounts on a DIN rail and operates from -40 to 85°C (-40 to 185°F).



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