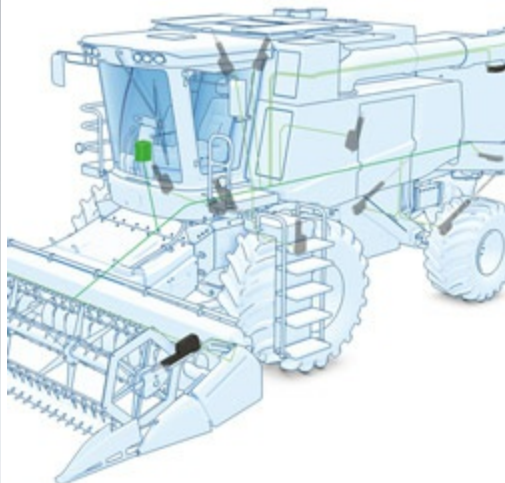


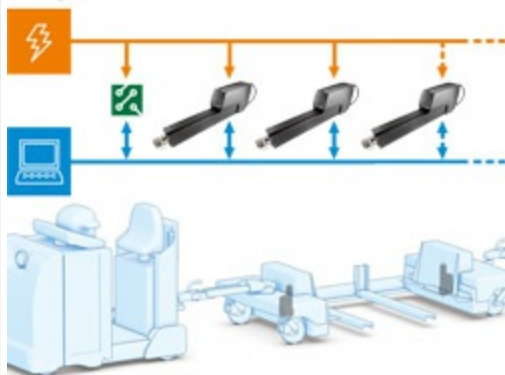


Thomson actuators with embedded CAN bus controls create new application design options



As electromechanical actuators become more intelligent through support of the Controller Area Network (CAN) bus networking standard, equipment designers now have more design options to address the specific needs of agricultural, construction and other mobile machine applications.

The Electrak HD from Thomson with embedded J1939 CAN bus option can lead to dramatic improvements in performance and maintenance. Benefits include:



- Plug-and-play interchanges of supporting devices that share the same network.
- Power is distributed across a common wiring bus, eliminating the need for separate wires between each device and the power source.
- Switching is embedded in the actuator electronics, removing the need for external switching and connectors.
- Superior position control, enabling consistent, reliable position memory.
- Low-level power switching improves safety and allows for actuator commands using low-level electronic signals.

A typical CAN network supports up to 256 nodes, including multiple actuators or other devices on each node, something that would be all but impossible with a conventional network.

A recent article in Product Design & Development details these benefits:

[Learn more about embedded actuator electronics >](#)

[Read the full CAN bus article in this recent PD&D issue >](#)

+ [education/events](#)

New Thomson Tech Tips Video

[How to Load Ball Bearings into a Metric Series Ball Nut](#)

Does this sound familiar?



Something went wrong while you were assembling a ball nut on a screw, the ball bearings popped out and now they're all over the place.

This quick new video demonstrates how to reload and assemble a metric series ball nut back onto a screw in case of a ball nut accident causing ball bearing loss.

[Watch the video now >](#)

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