

J1939 AND CANopen

## Updated CAN keypads and controllers

Grayhill has announced the release of updated CAN keypads and MMI (multi-media interface) controllers for off-highway vehicles. They were developed especially for agricultural, construction, mining, and other large capacity equipment.



*The keypads are IP67-rated and vibration and impact resistant (Photo: Grayhill)*

With five available general form factors and three general legend sets, the CAN keypads and MMI controllers are made to be customized. Designers can change legends, backlight LED indicator color, and button configurations. J1939 and CANopen Safety versions are available. Operating temperature is -40 °C to +85 °C and 12/24 V systems are supported.

The series of keypads and controllers now feature a lower profile that protrudes from the panel only about half the distance as the original versions. The products can be snapped into the panel cutout – no tools needed for installation. Safety diagnostic functions report the status of incoming power and the functionality of buttons/LED indicators. The low power sleep mode saves energy, reducing the possibility of draining the battery. LED indicators are now raised above the buttons, giving users a clear image and off-angle visibility, even when not viewed

from the optimal viewing angle.

In addition to expanding the number of sizes available, Grayhill also expanded integration options by adding input/output (I/O) pins that can be controlled by the CAN interface for door lights, heat sensors, and other analog outputs.

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