

••••• **INNOVATION AT WORK FOR YOU** •••••

**NEW Design J1939 CAN Keypads are Compact, Rugged, and Easy to Install**

**H**ydraForce CAN networked keypads are designed for machine control systems using the J1939 communication standard. These black keypads are available with eight buttons and feature tactile operation which allows the operator to feel actuation even when wearing gloves. They are sealed for IP68 protection at the front of the panel, and IP67 at the rear.

Keypad buttons feature green backlighting for high visibility and convenience. Button backlighting can be addressed on the CAN network for use as a visual indicator. Three individually addressed amber LED indicators are used on each button to signal function status. LEDs can be sequentially activated to show proportionality of an input or ramping outputs.

Keypads come pre-addressed for ease of programming, each additional keypad automatically adjusts its addressing to accommodate the additional CAN message requirements. Customizable graphics are available and laser-etched onto the surface of the keypad for longevity, the entire catalog of SAE 1362 symbols are available for customizing key legends.



HydraForce CAN keypads are compact and easily installed. They mount in approximately one-half the area required to mount a comparable rocker-switch panel. In addition, installation costs are greatly reduced because of the CAN communication interface which operates all functions on a four-wire set using a standard 4-pin Deutsch plug-in connector. By comparison, a traditional 20-rocker-switch panel requires 160 wiring connections to provide the same function. Up to three panels can be used in a common J1939 network providing outstanding functionality, reliable performance and an economical installation.

These new keypads replace our older model CAN keypads, and outperform them in the number of individually addressable inputs. HydraForce is committed to continuing innovation in the design, manufacture, and application of hydraulic and electro-hydraulic control components and systems for the material handling and heavy-duty mobile equipment OEM industries.

Features	Benefits
J1939 CAN network communications.	Easy, low cost installation with network compatibility.
Eight-button keypads and up to seven panels per installation.	Economical control of both simple and complex network functions.
Tactile-Feel Buttons.	Operator can feel button engagement even while wearing gloves.
8-32 VDC Power.	Compatible with most systems.
Individually addressable green backlighting and amber LED indicators.	Configurable lighting provides a convenient, visual status indicator for the operator.
Front is sealed to IP68, with black silicone-based elastomer keypad overlay. Back is sealed to IP67.	Resistant to diesel fuel, oil and tri-sodium phosphate cleaners, and battery fluid with 37% sulfuric acid. Protected against liquid intrusion.
Standard 4-pin Deutsch DT04 connector.	Eliminates unnecessary wiring associated with traditional operator panels and improves the flexibility of ECU inputs.
Pre-addressed, self adjusting keypad buttons.	Buttons come pre-addressed within the Proprietary B range saving you valuable programming time (for more information see programming manual or contact your HydraForce representative).

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