

## 2 x 2 RUGGEDIZED KEYPAD



Icons for visual demonstration only.

Introducing our rugged 4-Button Keypad, designed for durability and versatility in the most demanding environments. Built with CAN protocol for seamless integration, this keypad is perfect for both in and out-of-cab applications.

The customizable graphics ensure long-lasting visibility and resistance to wear. The silicone construction not only provides tactile feedback but also shields the keypad from harsh elements and extreme temperatures, making it the ideal choice for off-highway vehicles.



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## Features

### Electrical

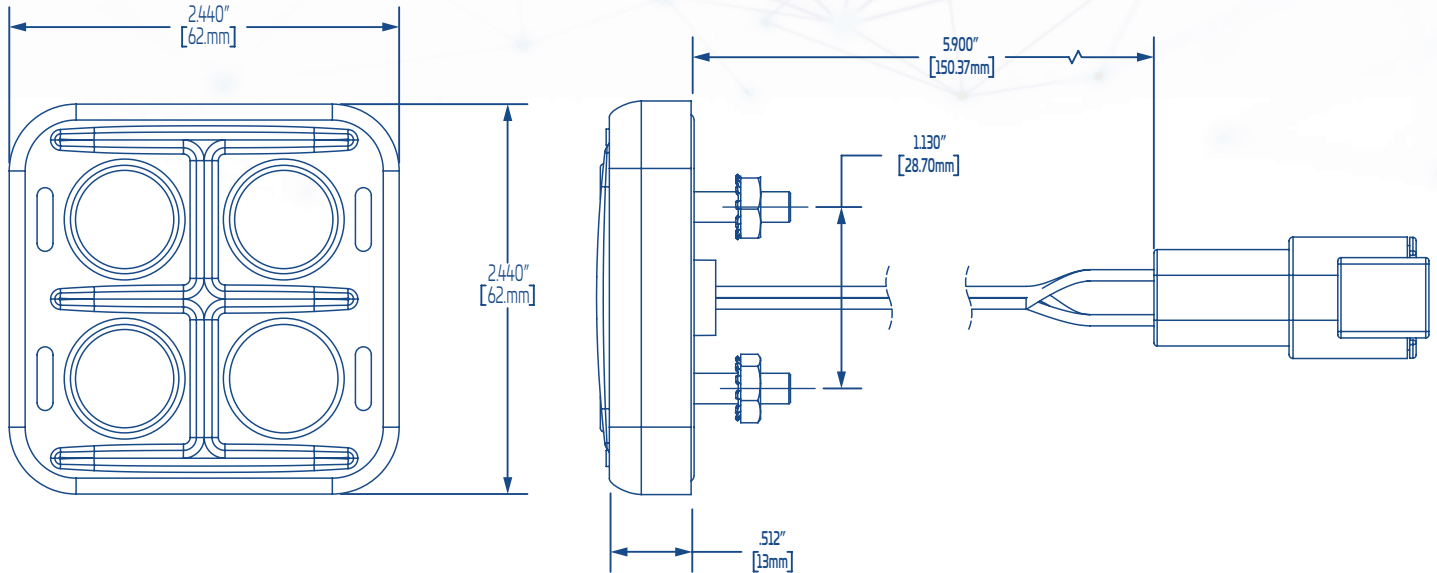
- CAN protocol
- Configurable heartbeat message
- Configurable event messages
- Configurable acknowledge message
- Error reporting includes
  - Long press
  - Stuck switch
  - Back-light failure
  - Command watchdog timer
  - Input voltage range
  - Safety switch option reports broken switch
- Optional back-lighting includes
  - Dimmable back-light and status lights
  - Back-light blink and pulse modes

### Mechanical

- (2) 10-32 Mounting Studs
- DTM 04-4P Deutsch connector
- SPDT safety switch options
- Durable Icons / graphics
  - ISO 7000 icons
  - Custom Icons
- Ruggedized Construction includes
  - High Strength Silicone rubber
  - Polyurethane Coating
  - IP69K Ingress Protection
  - SAE J1455 Tested
  - Superior UV Light Resistant
  - Button life cycle: 3 Million

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OFF HIGHWAY  
APPLICATIONS



## Electrical Specifications

Supply Voltage	12-24VDC Nominal (8-32VDC tolerant)
Standby current	< 30mA
Reverse voltage protection	30V for 60s
Communication	J1939 (250k or 500k baud)
Radiated emissions	FCC Class B

## Mechanical Specifications

Mounting Hardware	(2) 10-32 mounting studs with use of 3/8 zinc plated mounting nuts with sems washer
Mounting Torque	25 in-lbs
Operating temperature	-40 °C to +70 °C
Storage temperature	-40 °C to +85 °C
Ingress protection	IP69K
Connector	Deutsch DTM 04-4P
Actuation force	500-600 grams
UV protection	400 + hours
Environmental Testing	SAE J1455
Button Life	3 Million button actuations



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