

Document Number		RG_SPEC-0009		
Title		Keypad Icons / Symbols		
CAN Speed: 1M 500k 250k		CAN ID: 1 2 3 4 J1939	Serial Number:	Checked BY:
Revision	Date	Prepared By	Change History	
1.0	8/24/2011	Chris Brown	Initial release.	
1.1	11/20/2013	S Wagner	CAN Open	

The Racegrade Keypad offers a single integrated electronic device designed to replace rows of individual switches or buttons. It communicates via CAN to a MoTeC PDM (Power Distribution Module) either directly (CANOpen) or through an interface gateway box (J1939). It provides momentary buttons to activate any PDM output. It can also receive feedback on an outputs status from the PDM which can be used to light the LED indicators above each button. Each button has 3 LED lights along the top (Green/Orange/Red) that are individually programmed in PDM manager v1.7 and higher for their function. The LEDs have fixed functionality when a keypad is used in J1939 Gateway mode where green = output is on, blinking = output has faulted and retries are in progress, and red = output has faulted off and no retries exit. It is typical to mimic this behaviour in CANOpen control too with simple programming in the PDM.

Features

- Lightweight & Compact
- Rugged design for use in extreme environments
- Backlit customize graphical icons available
- LED indicators for real time feedback
- Only 4 wires required for multiple buttons
- Short circuit, reverse polarity protection



Specifications

Voltage: 8v to 30v
 Temperature: -40°C to 85°C
 Environment: IP67
 Weight: 175 grams / 15 keys
 105 grams / 8 keys

Connection

Mating Connector: M DT-4SK

Pin 1 - Power
 Pin 2 - Ground
 Pin 3 - CAN HI
 Pin 4 - CAN LO

