

The LDC J1939 Controller was designed to provide a cost-effective, customizable solution for OEM applications. Whether controlling hydraulic valves, engine operations, or monitoring J1939 parameters—the LDC provides substantial I/O and a multifunction display, allowing ultimate flexibility to fit any application.

General Specifications

Weight	8 oz.
Operating Temp.	-40—170° F (-40—76° C)
Ingress Protection	IP 67
Voltage Supply	9—32 VDC
Current Consumption	Outputs OFF - 50 mA (12 VDC) 30mA (24 VDC)
CAN Protocol	SAE J1939

User Interface

Display	400x240 pixel 2.83" Transflective Sunlight Readable
Backlight	Yes
LEDs	Customizable Red, Blue, Green, and Amber.
	Warning and Shutdown indicators for J1939 Engine Faults
Keypad	8 or 4 Position Tactile. IP67 Sealed, Rated to 100,000 Cycles
Connection	2 x 12 Pin Deutsch Connectors

Specifications

Voltage Inputs

Number	Up To 16* (7 x Wide Band; 9 x Narrow Band)
Signal Range	Wide: 0—27 VDC Narrow: 0—10 VDC
Max Voltage	32 VDC
Resolution	Wide: 6.7 mV/bit Narrow: 2.44 mV/bit

* Inputs & Outputs may share pin assignments

Specifications

Frequency Inputs

Number	2
Frequency Range	2—20,000 Hz
Min. Signal Voltage	2 VAC

Restive Inputs

Number	1
Signal Range	0—1,000 Ω

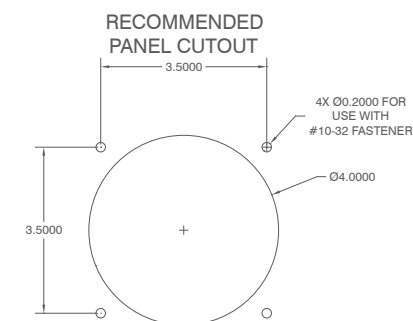
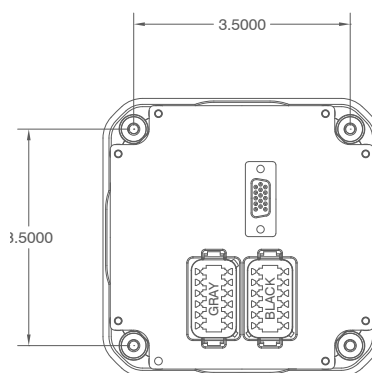
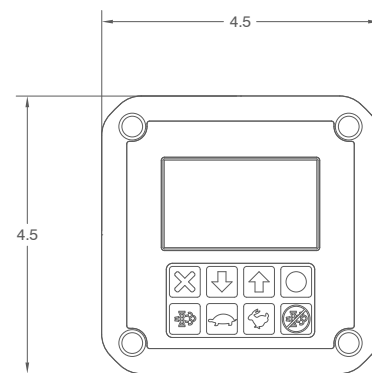
Output Specifications

PWM Outputs

Number	Up To 6*
Type	High Side Switching (Hydraulic Solenoids, Horns, Lights, Relays, etc.)
Max Load	5 Amps per output
PWM Frequency	31—500 Hz
Duty Cycle Resolution	0.10%
Protection	Over Load Shutdown Open Load Detection

Relay Output

Number	1
Type	Low Side
Max Load	500 mA



Applications

- Complete Machine Control
- J1939 Engine Traffic Monitor
- Hydraulic Control Operation
- Tier 4 Final Engine Control

