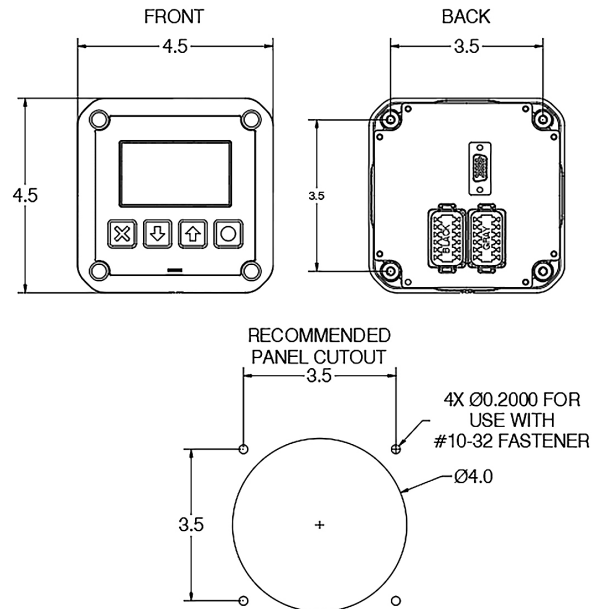


Display Gauge - Nexis

Model #LDCJ1939-4BT-AF

The Nexus J1939 controller was designed to provide a cost-effective 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.



Applications

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

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 – 50mA (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 | 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) |
| 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 |
| Frequency Inputs | |
| Number | 2 |
| Frequency Range | 2-20,000 Hz |
| Min. Signal Voltage | 2 VAC |
| Resistive Inputs | |
| Number | 1 |
| Signal Range | 0-1,000 Ω |

OTHER SPECIFICATIONS

| PWM | |
|-----------------------|---|
| Number | Up to 6 |
| Type | High Side Switching (Hydraulic Solenoids, Horns, Lights, Relays, etc) |
| Max Load | 3.5 Amps continuous 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 |

