

# LXM J1939 Controller

The LXM J1939 Control Module has the capability to be programmed as a stand alone controller, or, has the versatility to be controlled by virtually any CAN Bus master module. Bi-Color LED feedback allows for in-field diagnostics and troubleshooting. With 18 configurable inputs/outputs the LXM has the flexibility to satisfy the needs of a multitude of applications.

## General Specifications

Weight	1 lbs
Operating Temp.	-40 to 170 °F
Ingress Protection	IP68
Voltage Supply	9 – 32 Vdc
Current Consumption	Outputs OFF – 50 mA (12 Vdc) 35 mA (24 Vdc), 15 amps max.
CAN Protocol	SAE J1939

## Output Specifications

PWM Outputs	
Number	8
Type	High Side Switching (Hydraulic Solenoids, Horns, Lights, Relays etc)
Max Load	6 Amps per output
PWM Frequency	19 - 300 Hz
Duty Cycle Resolution	0.10%
Protection	Over Load Shutdown, Open Load Detection

## Digital Outputs

Number	4
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Type	High Side Switching (Hydraulic Solenoid, Horns, Lights, Relays etc)
Max Load	6 Amps per output
Protection	Over Load Shutdown, Open Load Detection

## Ground Output

Number	6
Type	Low Side (Direct Input to ECM for Shutdown, Relay, Lamp)
Max Load	500 mA

## Input Specifications

### Voltage Inputs

Number	4
Signal Range	0 – 5 Vdc
Max Voltage	32 Vdc
Resolution	1.25 mV

### Digital Inputs

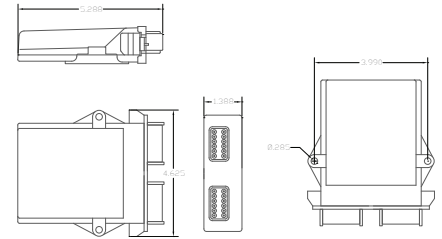
Number	12
Signal Range	3 Vdc
Max Voltage	32 Vdc

### Frequency Inputs

Number	2
Frequency Range	1-20000 Hz
Min Signal Voltage	2 Vac

## User Interface

LEDs	22 Bi-Color LEDs for I/O Diagnostics
Connection	2x Deutsch 12 socket mini connectors



## Applications

- Machine Control
- Hydraulic Control
- I/O Expansion Module

## Options

- LDA-Tx Series
- LHT Series
- LCM J1939 Controller

