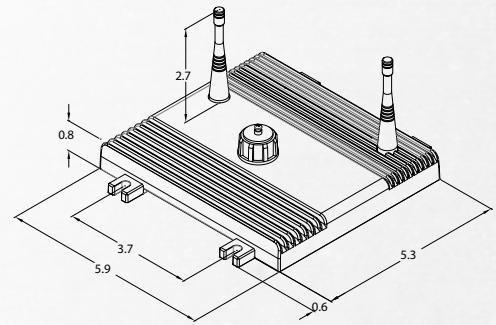# MOTOR
DRIVER

Our solid-state DC Motor Driver is a highly-ruggedized control platform for variable-speed DC motor control. With high-current, factory bridgeable outputs, it can be used to control either four 25A DC motors (45A peak), two 50A DC motors (90A peak), single 100A motor (180A peak), 8(25A) proportional or on/off outputs suitable for hydraulic valves and other industrial equipment. In addition to the motor control outputs, CANbus via J1939 is on board, and up to nine analog inputs.

Where we think the motor driver really shines is that it can be built with our wireless control modules on board, to directly accept control inputs from almost any of our wireless radio transmitters. The electronics are housed in a custom anodized aluminum chassis designed to rapidly dissipate heat, and the unit is totally encapsulated for the ultimate in shock, vibration, and all-weather resistance.

ELECTRICAL

Communication	Serial, CANbus via SAE-J1939, RF: 900mhz or 2.4GHz
Supply Voltage	9V – 30VDC
Analog Inputs	Up to 10 analog inputs(0-5v or 4-20mA)
Standard Outputs	Configurable to drive up to 4 motors bidirectionally. Outputs can be bridged to drive higher currency loads, or can be configured as standard current regulated outputs for hydraulic values.
Output Rating	Varies by configuration – See above

MECHANICAL

Weight	2 lb.
Protection	IP67
Operation Temperature	-40° to +85° C
Housing Material	Anodized Aluminum, Urethane Potted
Storage Temperature	-55° to +85° C
Connections	Made by AXL wire, AWA varies with application & current requirements