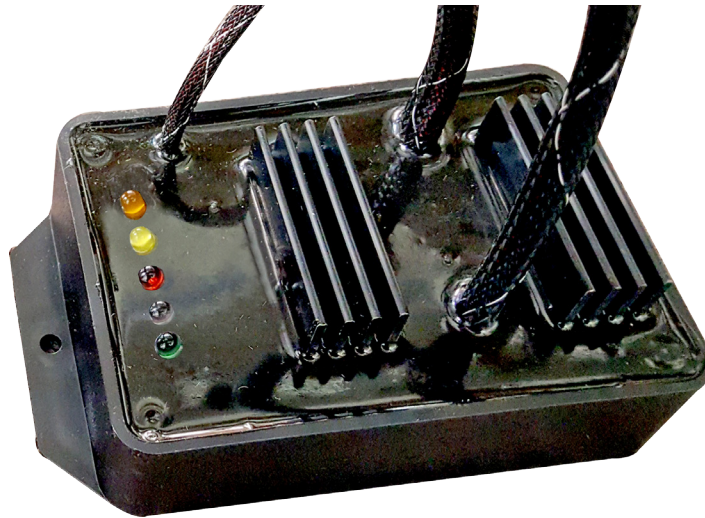


AGXCEL GX9I INTELLIGENT PWM ELECTRIC MOTOR DRIVER (EMD)

(Read Instructions Completely before Beginning Installation)

AgXcel is excited to announce its latest innovative product with the release of its new GX9i PWM EMD driver. With years of design and development and customer feedback AgXcel has developed a state of the art driver that can handle even the harshest demands and environments in controlling its line of precision liquid application solutions. The onboard circuit technology can intelligently manage system resources which enables high demanding performance when controlling 12v electric pumps. The durability of this EMD is far superior that any EMD on the market today. With the option to connect with Johnson Connectors this makes this module high versatile.



Features





















































































LED Status – Multiple LED's that enable enhanced monitoring and troubleshooting.

- **GREEN** – Power indicator that can alert when 12v is present or when voltage has dropped below superior performance levels
- **BLUE** – Complete monitoring of EMD PWM signal. Informs the user or proper signal strength and appropriate duty cycle
- **YELLOW** – Temperature control module that protects the unit from current spikes or high current heat
- **RED** – complete management and monitoring of motor current. This enhancement allows for the proper circuit current for electric motors
- **ORANGE** – intelligently monitors the appropriate voltage to electric pumps and closely monitors pumps performance

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PWM Motor Drive LED trouble Shooting Guide

		Color	Time Line						LED State	Condition
POWER	Power (12V)	Green							Off	No power (or less then 6.8V)
	Power (12V)	Green							1hz Flash	Under Voltage (less then 10.5V)
	Power (12V)	Green							On Solid	12V supplied (power is acceptable)
PWM	PWM	Blue							Off	No PWM Signal to the Module
	PWM	Blue							1hz Flash	PWM signal present
	PWM	Blue							On Solid	Maximum Duty Cycle
TEMP	High Temp	Yellow							Off	Module within Temperature Range
	High Temp	Yellow							1hz Flash	Module Temp is elevated
	High Temp	Yellow							On Solid	Module Auto Shutdown from Temp
MOTOR CURRENT	Current	Red							Off	Normal Operation (Under Max)
	Open Circuit	Red							1hz Flash	Open Circuit Condition
	Over Current	Red							On Solid	Over Current (Output Shorted)
MOTOR RUNNING	Motor	Orange							Off	Motor is not running
	Motor	Orange							On Solid	Motor is running