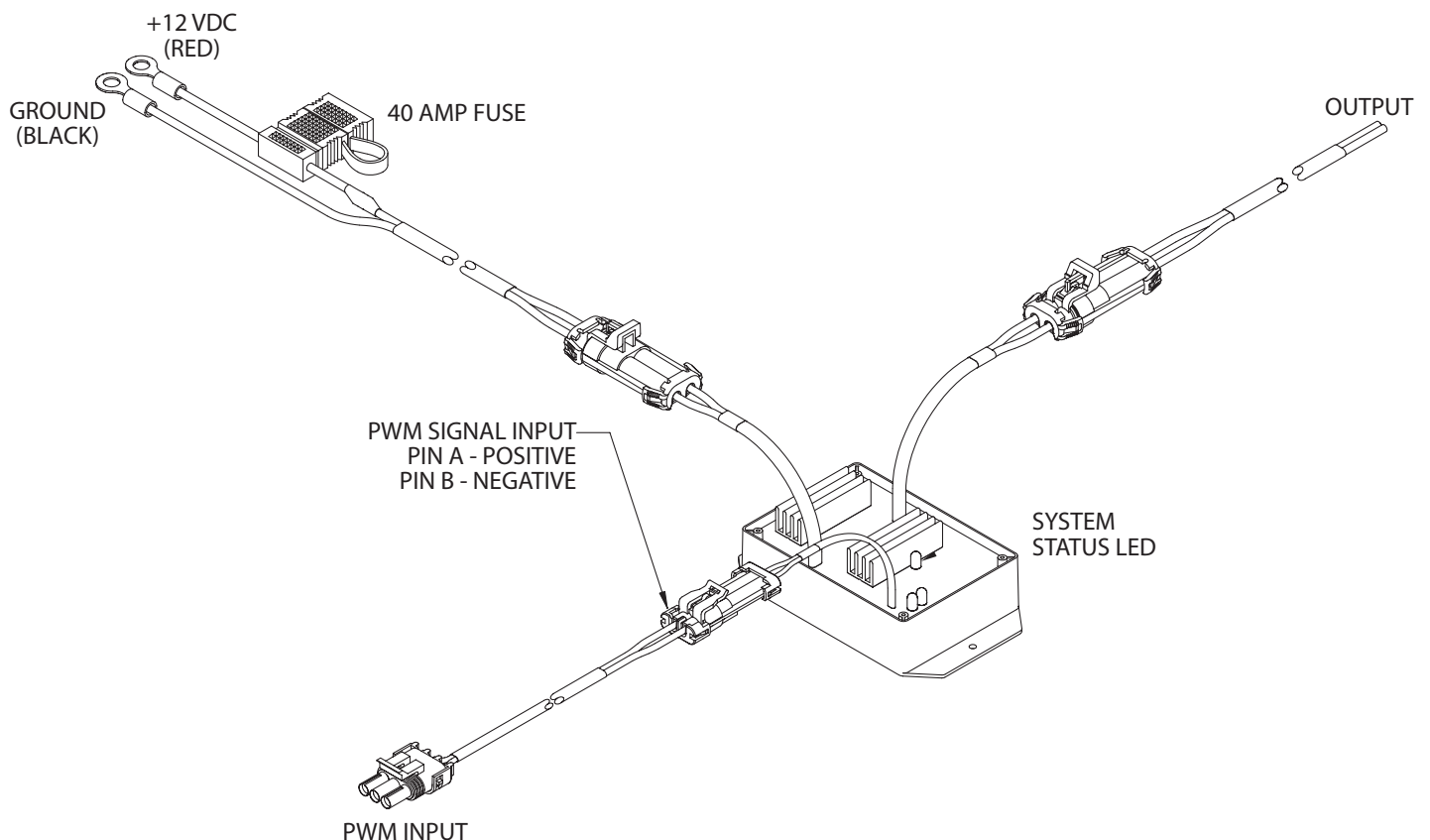


3 Light GX2 PWM Troubleshooting

AgXcel offers two types of PWM drivers. The PWM driver below tends to be on older AgXcel GX2 pump systems or some other AgXcel products. This PWM is able to plug in the same way and also operate the same way as the AgXcel designed PWM driver.



SYSTEM STATUS LED INDICATOR CODES		
Light on steady		Unit is turned on and operating normally
Steady Flashing		Unit in HOLD. Check Run/Hold jumper or remote switch on controller for correct operation.
1 Flash/pause		Open circuit detected. Check motor connections for open.
2 Flashes/pause		Output short circuit detected. Check motor wiring.
3 Flashes/pause		Over-current condition. Check total load.
4 Flashes/pause		Input Power fault. Check input power wiring.
5 Flashes/pause		Input frequency out of range.
NOTE: Cycle power with the controller ON/OFF switch to clear a fault code		

Center Red LED

Steady Flashing Red Light: The PWM is in stand by waiting for a signal from the liquid rate controller.

Solid Red Light: The pumps are pumping liquid

1 Flash/Pause: There is an open circuit. Ensure no harnesses are damaged, no pins are burnt or corroded, the power source is providing 12V of power. Ensure the AgXcel provided harnesses are not spliced into another line and that the harnesses are connected to the battery of the tractor.

2 Flashes/Pause: There is an open circuit. Ensure no harnesses are damaged, no pins are burnt or corroded, the power source is providing 12V of power. Ensure the AgXcel provided harnesses are not spliced into another line and that the harnesses are connected to the battery of the tractor.

3 Flashes/Pause: There is an open circuit. Ensure no harnesses are damaged, no pins are burnt or corroded, the power source is providing 12V of power. Ensure the AgXcel provided harnesses are not spliced into another line and that the harnesses are connected to the battery of the tractor. Check the PWM and ensure there is no damage to the casing or any cracks in the potting.

4 Flashes/ Pause: There is an open circuit. Ensure no harnesses are damaged, no pins are burnt or corroded, the power source is providing 12V of power. Ensure the AgXcel provided harnesses are not spliced into another line and that the harnesses are connected to the battery of the tractor.

Corner Red LED

No Red Light: The PWM has not received the signal from the liquid rate controller to turn the pumps on.

Solid Red Light: The PWM is receiving the signal from the liquid rate controller to turn the pumps on.

Under normal operation, the center red light and corner red light should both be on solid when the pump system is supposed to be on and applying liquid. When the pump is supposed to be off, then the center light will flash steadily and the corner lights will be off.