

NGE SYSTEM: LED Diagnostics

LED Color	Rate	Vehicle Control Module (VCM)	Plow Control Module (PCM)
None		Unit not powered, Ignition off, Less than 9 VDC, module has no address (not programmed by the factory)	Unit not powered, Ignition off, Less than 9 VDC, module has no address (not programmed by the factory)
Green	5 second blink	No plow attached or communication	No plow attached or communication
	1 second blink	Plow attached and communicating and VCM has information to send to plow.	Plow attached and communicating and VCM has information to send to plow.
	Solid on	PCM, VCM and Hand control are communicating. Remote may not transmit for 20 minutes but light will stay on unless remote sends power down.	PCM, VCM and Hand control are communicating. Remote may not transmit for 20 minutes but light will stay on unless remote sends power down.
Red	5 second blink	Signaling burnt out bulb to vehicle. Signal is only on if the high or low beam signal is "on".	Signaling burnt out bulb to vehicle. Signal is only on if the high or low beam signal is "on".
	1 second blink	Voltage on ignition input is too low to run plow. A signal voltage of more than 9 VDC on the ignition input is required.	Voltage too low to run plow with a signal voltage of more than 9 VDC on the ignition input.
	Solid on	Voltage too low to run plow or lights	Voltage too low to run plow or lights
Orange	1 second blink	Needs valid addresses	Needs valid addresses
	Solid on	In listen mode - time out 5 minutes	In listen mode - time out 5 minutes
Orange>Green		Signal strength from vehicle above 90db. In sync mode.	Signal strength from vehicle above 90db. In sync mode.
Green/Orange	Toggle 1 second	Ignition voltage too low to run plow.	Ignition voltage too low to run plow.
Red/Orange	Toggle 1 second	No unit address	No unit address