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## VMS120 LED Status

The VMS120 can alert the user to various things through the use of 3 LEDs. The following will describe each LED and under what circumstances they turn on.

Green Solid	Unit is powered and receiving data normally
Green Blinking	Unit is powered but not receiving data
Yellow Solid	Engine is locked (from Anti-Theft feature) Tire Pressure is in low warning state
Red Solid	One or more Scan parameters is in alarm state Tire Pressure is in low fault state
Red Blinking	There is an active engine fault code Press DIAG for details

The red alarm states for the scanning parameters are hard coded in the unit and cannot be adjusted. Below is a table of alarm values the VMS120 adheres to.

Parameter	Low Red Alarm	High Red Alarm
Accelerator Position	0	100
Air Inlet Temperature	0 deg F	999 deg F
*Battery Voltage	10 V	15 V
Cruise Set Speed	0 MPH	80 MPH
*Engine Coolant Temperature	0 deg F	225 deg F
Engine Load	0.00%	100.00%
Fuel Delivery Pressure	0 psi	256 psi
Fuel Injection Pressure	0 psi	256 psi
Fuel Rate	0 gal/hr	99.9 gal/hr
Fuel Temperature	0 deg F	400 deg F
Horsepower	0 hp	3000 hp
Instantaneous MPG	0 MPG	100 MPG

Intake Manifold Temperature	0 deg F	255 deg F
*Oil Pressure	5 psi	99.9 psi
*Oil Temperature	0 deg F	999.9 deg F
Outside Air Temperature	0 deg F	999 deg F
Power Factor	0.00%	100.00%
Recent MPG	0 MPG	100 MPG
Road Temperature	38 deg F	999 deg F
Rolling MPG	0 MPG	100 MPG
Speed	0 MPH	80 MPH
Tachometer	0 RPM	2400 RPM
Torque	0 Ft-lbs	2000 Ft-lbs
Torque at Drive Line	0 Ft-lbs	2000 Ft-lbs
Torque Potential	0 Ft-lbs	2000 Ft-lbs
*Transmission Oil Temperature	0 deg F	240 deg F
Transmission Shaft Speed	0 RPM	4000 RPM
Turbo Boost Pressure	0 psi	100 psi

\* - For software version 20RV04 or sooner only these parameters are monitored for the red LED