

Sensor Diagnostics and Statuses

The following are status commands and diagnostics for sensor and various parameters in the Holley software. The “PC Text” indicates what will be shown on the PC/Laptop data monitor or data logger. The “Gauge Text” is what would be shown on a 2-1/16 gauge or the Avenger handheld display. Most have an “LED Indicator” shown next to each as well. The LED status is indicated under “LED”. If you see any of these errors for a sensor that should be functioning properly, the root cause must be diagnosed and fixed.

Wideband Oxygen Sensor Status

Shows status of wideband oxygen sensors.

LED	PC Text	Gauge Text	Description
None	Disabld	...	Signifies that sensor channel is not enabled.
Yellow	Init...	In	First shown for an instant when the system is powered on. Displayed so quickly you likely do not see this.
Yellow	Heating	HO	Sensor is heating.
Yellow	Cold!	Cld	Sensor is below calibrated operating temperature. Unit will still read but accuracy may be impacted.
Yellow	Hot!	Hot	Sensor is above calibrated operating temperature. Unit will still read but accuracy may be impacted.
Red	Unplugd	UnP	Sensor is unplugged.

General Sensor Status

These are for typical 0-5v and thermistor sensors.

LED	PC Text	Gauge Text	Description
Red	Undefnd	Und	Unlikely failure indicated that a sensor is not properly defined.
Red	LOW Err	LEr	A sensor displaying this can be unplugged, have an open or short circuit, or be otherwise damaged.

RPM (Crank/Cam Signal Inputs) Diagnostics

The following are shown for the “RPM” parameter which indicates the status of the crank sensor/engine speed input.

LED	PC Text	Gauge Text	Description
Red	Stall!	Stl	No RPM input detected.
Yellow	Syncng	Snc	Signal detected. Position being established.
None	Sync'd	Nothing	Will show briefly after crank signal and cam/crank positions established. Actual engine RPM will then be indicated.
Red	Error!	Err	Cam/Crank input error detected.

TPS Diagnostics

The following are shown for the “TPS” parameter.

LED	PC Text	Gauge Text	Description
Red	Error	Err	If you see an error, contact Holley Tech Service.
Red	NeedCal	CaL	TPS Autoset needs to be performed.

Closed Loop Diagnostics

Shows status of closed loop operation.

LED	PC Text	Gauge Text	Description
Blue	OpenLp	OLP	System is in open loop operation.
Green	CloseLp	CLP	System is in closed loop operation.

Learn Status

Shows status of learn mode.

LED	PC Text	Gauge Text	Description
Blue	NoLearn	nLn	Learning is not active.
Green	Learnng	Lrn	Learn is in an active state.

Switched Inputs/Outputs Status

Shows status of switched inputs and outputs.

LED	PC Text	Gauge Text	Description
Gray	Nothing	OFF	Input or Output is not active.
Green	Nothing	On	Input or Output is active.

Rev Limiter Diagnostics

Indicates rev limiter status.

LED	PC Text	Gauge Text	Description
Gray	None	None	Rev Limiter is not active.
Red	RevLim	RLI	Rev Limiter is active.

Cutoff Status

Indicates status of "cutoff" parameters such as nitrous cutoffs.

LED	PC Text	Gauge Text	Description
Gray	Nothing	None	No cutoffs enabled.
Red	Cutoff!	Cut	Cutoff enabled.

Warning and Caution Indicator

Indicates status of the "Caution" and "Warning" parameters. These are globally used for all sensors that have Caution or Warning outputs configured.

LED	PC Text	Gauge Text	Description
Gray	None	None	No Caution or Warning present.
Red	Warng!	None	A warning has been tripped for some parameter.
Yellow	Cautn!	None	A caution has been tripped for some parameter.

Holley Technical Support
1801 Russellville Road
Bowling Green, KY 42101
Phone: 270-781-9741
www.holley.com