

VLMS-10

LIGHT MONITORING SYSTEM

The Forman VLMS-10 Light Monitoring System passively monitors up to 10 low power LED light circuits, alerting the driver in case of a light failure.

The system connects in-line with the lighting circuits to monitor the lights by measuring the circuit load. When the load falls below the specified fault threshold, an alert is delivered to the driver.

The VLMS-10 is suitable for use with lamps with loads between 0.3 W and 10 W, and delivers fault warnings when the load drops below the threshold, normally 60% of the normal operational load. The status LEDs in the LED display represent the corresponding lamps, allowing the driver to visually verify lamp health.



Calibrated system

During installation, the system stores the normal operating load of each lighting circuit, which is used to identify failure.



Threshold configurations

The VLMS-10 offers 3 threshold configurations for LED light failure, allowing for varying lamp loads to be monitored.



Compatible with VMMS

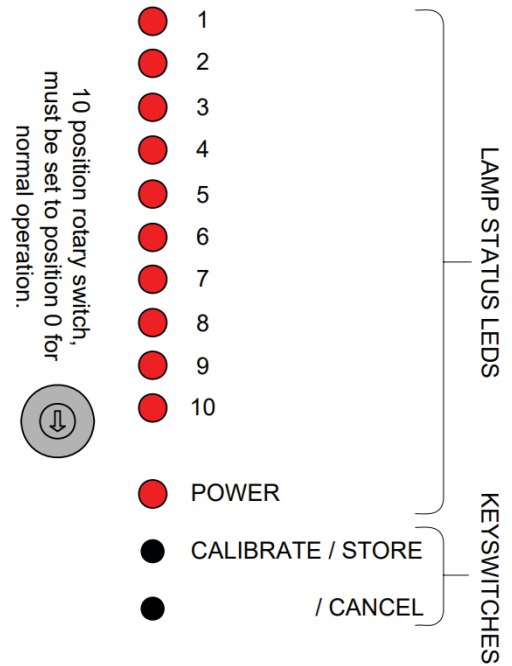
The VLMS-10 can be interfaced with the Vehicle Multi-Message System to provide audible light failure alerts to the driver.

How Does VLMS-10 Work?

The VLMS-10 monitors the current of each connected lamp circuit to detect partial failures or open-circuits. The normal operating load of each circuit is measured and stored during the calibration process, which is used as a reference for failure detection. Failure is classified as a drop below the pre-set threshold, normally 60% of the normal operating load.

The system provides continual status feedback to the driver via an LED display. 10 LEDs represent the 10 monitored circuits. The behaviour of the status LED indicates the lamp status:

- Lamp circuits that are not currently being monitored are represented by a status LED that is permanently off.
- The LEDs of healthy lamps flicker.
- The LEDs of unhealthy lamps flash to indicate failure.



VMMS Integration

If desired, the Forman VLMS Light Monitoring System can be integrated with the Forman VMMS Vehicle Multi-Message System. This allows the system to deliver spoken audio messages to the driver, alerting that there is a fault with a lighting circuit.

Alternatively, buzzers and warning lights can also be installed.

**To find out how we can help you enhance
the safety of your vehicles, call us on
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