



VLMS – 6/10 CHANNEL LIGHT FAILURE MONITOR

Advanced Vehicle Lighting Monitor

FEATURES:

- Failure monitoring of up to 6 or 10 individual lamp circuits depending on model
- Self-calibration stores load characteristics of each circuit
- Failure detection for >40% reduction of stored load
- Optional pre-check function
- 24VDC application (other voltages available)
- EMC approved
- Suitable for LED and filament lights
- Settable failure thresholds for multiple lights on a single circuit
- Output to provide additional warning of light failure (buzzer or warning lamp)



APPLICATIONS:

- Vehicle Light Monitoring
- Bus and Coach Lighting Systems
- Taxi and Cab Light Systems
- Commercial Vehicle Lighting
- Toll Booth and Counter Lighting Monitoring



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DESCRIPTION

The Nortek VLMS Light Failure Monitor is an advanced unit designed to monitor up to 6 or 10 separate LED or filament light circuits in vehicles. It ensures vehicle safety by alerting drivers to any light failures, thus maintaining optimal vehicle operation. The VLMS is suitable for use with a wide range of lights and provides failure feedback when the load of a circuit falls below a configurable threshold.

During installation, the unit performs a self-calibration cycle, storing the normal operating load of each circuit. This ensures accurate detection of any load reduction by 40% or more, indicating a failure. Alternative failure thresholds are available upon request. Under failure conditions, a feedback output becomes active for each affected circuit, suitable for controlling a warning light, buzzer, or triggering an audible message via a Nortek Audio Message Annunciator.

The VLMS includes a driver-initiated operating check for all connected lights within the first 5 minutes after power-up. This pre-check function provides an output signal if all circuits are within the failure threshold, interfacing with Nortek Audio Message Annunciators for driver feedback.

Designed for versatile operation, the VLMS is suitable for both LED and filament lights, with settable failure thresholds for circuits with multiple lights. It operates on a 12 to 24VDC power supply, accommodating a range of vehicle types and applications.

NORTEK ELECTRONIC CIRCUITS LTD

Since its formation in 1978, Nortek Electronic Circuits Ltd has been designing and manufacturing high quality electronic products in the UK to exacting customer specifications, dependable quality, and leading designs. Nortek are a privately owned SME ideally based in a central UK location. All products meet E-type/CE/UKCA requirements and are designed and manufactured to meet our ISO9001 accreditation standards.

As well as designing and manufacturing our own range of products we can also carry out contract work to customers own designs and/or concepts. We develop and supply the highest quality electronics solutions supported by our long standing relationships with world leading innovative supply partners.

Above all, we support our customers by providing products and services of exceptional value which help them gain a competitive advantage in their markets.



SPECIFICATION:

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