

We set the standard in safety

# Light monitoring system

Monitors up to 10 low-power LED light circuits, alerting the driver in case of a light failure



Previously known as Forman

For maximum safety and full peace of mind, the Ardent 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, monitoring the lights by measuring the circuit load. When the load falls below the specified fault threshold, an alert is delivered to the driver.

# What does our light monitoring system do?

Suitable for use with lamps with loads between 0.3 W and 10 W, our light monitoring system 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 at a glance.



## **Calibrated system**

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



## **Threshold configurations**

Offering three threshold configurations for LED light failure, our system allows for varying lamp loads to be monitored.



## **Compatible with our driver messaging system**

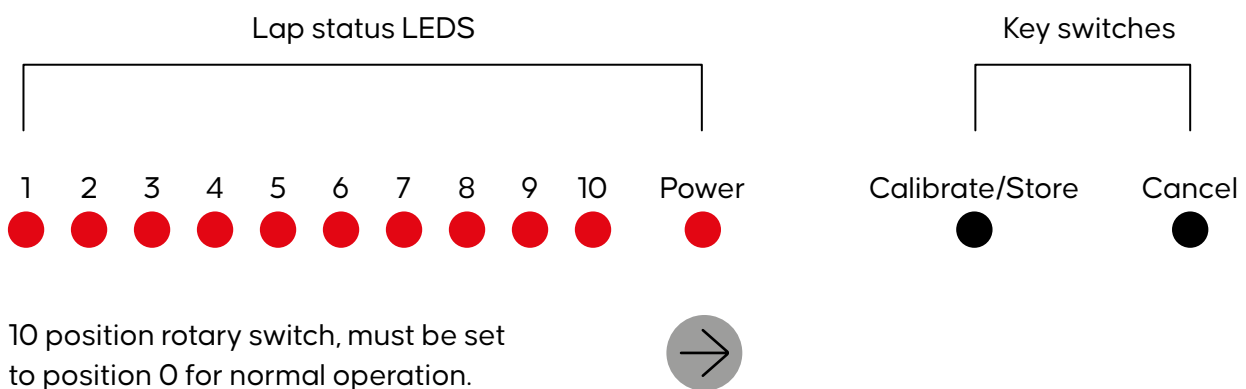
Ardent's light monitoring system can be interfaced with our driver messaging system to provide audible light failure alerts to the driver.

# How our lighting monitoring system works

Our system 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, with 10 LEDs representing the 10 monitored circuits. The behaviour of the status LED indicates the lamp status:

- Lamp circuits 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.

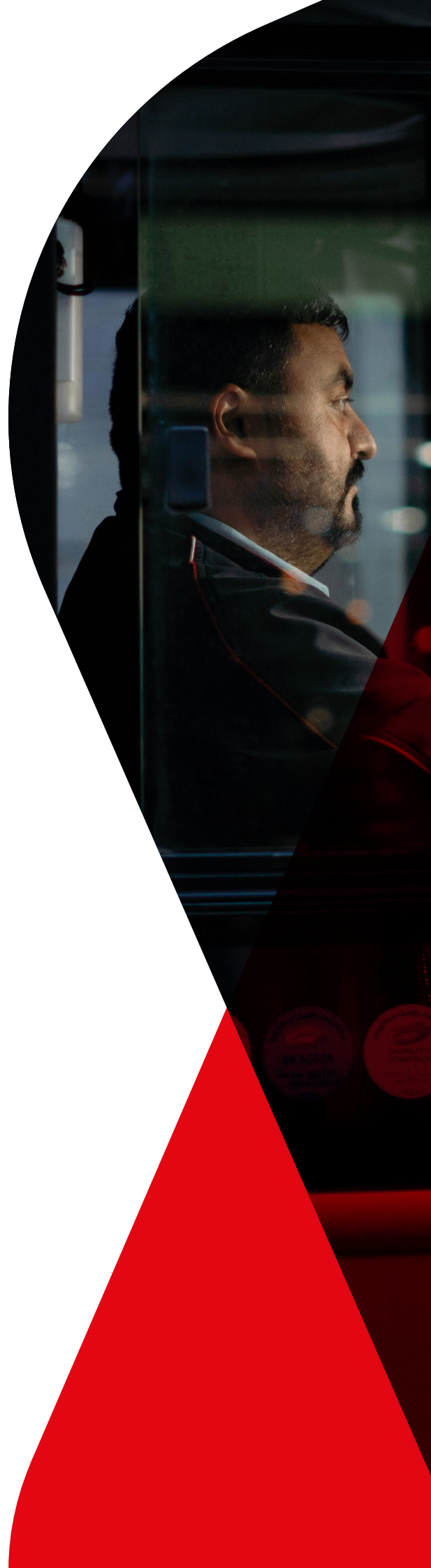


Light monitoring system

## Driver messaging system integration

If desired, the Ardent light monitoring system can be integrated with our driver messaging system. This allows the system to deliver spoken audio messages to the driver, alerting that there is a fault with a lighting circuit.

Alternatively, reliable buzzers and warning lights can also be installed.



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To find out more or to explore how we can help you enhance the safety of your vehicles, contact our sales team on +44 (0) 1423 326 740



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