

# Installation Guide PRO-LCG

## Article Number 50 140 012 & 50 140 024

The PRO-LCG is used as a control and ballast unit for LED vehicle lights in 12V or 24V onboard electrical systems. It enables the control system already installed in the towing vehicle to detect and display whether a direction indicator function has failed.

Furthermore, it prevents incorrect failure signals for other light functions that are caused by the lower power consumption of the LED lights.

During installation, the vehicle must be disconnected from the electrical supply system of the towing vehicle by unplugging the connecting plug or disconnecting the battery of towing vehicles.

The PRO-LCG must be fastened to a sufficiently dimensioned metal underlay with air circulation so that an operating temperature of approx. 70°C is not exceeded.

All connections must be established carefully and watertight.

Please note that no conventional lamps with incandescent bulbs may be connected to the output of the PRO-LCG.

If you want to use such lamps, then a distributor box "Z" must be inserted between the trailer connector and input of the PRO-LCG. Here, other conventional lights can be operated parallel to the LED lights.

Other LED lights can be connected in parallel to the output of the PRO-LCG if the total current consumption for the LED flashing indicators does not exceed 300 mA and does not exceed 3A for all other functions.

