

Instruction Manual

mo.load

load balancer



V1.0

Thank you for purchasing a quality product from motogadget. The mo.load was developed in Germany and is elaborately handcrafted in Berlin.

Please read the following information and recommendations carefully and follow these instructions when installing and using the product. Motogadget accepts no liability for damage or defects resulting from negligence or failure to follow the installation and operating instructions.

contakt:

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1 Checking the delivery

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4 Safety Advice

- BEFORE CARRYING OUT ANY WORK ON THE VEHICLE'S ELECTRICAL SYSTEM, DISCONNECT THE BATTERY. TO DO THIS, FIRST DISCONNECT THE NEGATIVE TERMINAL THEN DISCONNECT THE POSITIVE TERMINAL. WHEN RECONNEC-TING PROCEED IN REVERSE ORDER.
- ENSURE THAT THE VEHICLE IS STABLE BEFORE STARTING THE INSTALLATION WORK.
- USE ON VEHICLES WITH BATTERY POSITIVE TERMINAL CONNECTED TO VEHIC-LE GROUND IS NOT POSSIBLE.
- USE ON VEHICLES WITH A 6V VEHICLE ELECTRICAL SYSTEM IS NOT POSSIBLE.
- USE ON VEHICLES WITHOUT A BATTERY IS NOT POSSIBLE.
- INSTALLATION AND CONNECTION MAY ONLY BE CARRIED OUT BY QUALIFIED SPECIALIST PERSONNEL.
- ALL CABLE CROSS-SECTIONS MUST BE DIMENSIONED ACCORDING TO THE CURRENT FLOW.
- THE VEHICLE MUST HAVE AN EMI (Electromagnetic Interferences) SUPPRESSED IGNITION SYSTEM ALL ELECTRICAL CONNECTIONS IN THE WIRING HARNESS AND AT THE TERMI-NALS MUST BE MADE PROPERLY AND CORRECTLY.

4 Technical specifications

- Dimensions
 49,5mm x 14mm x 12mm
- Weight 15g
- Operating voltage 12V 18V
- Load
 0 7,5W at 12V (adjustable in 0,5W steps)
- Operating temperature -20°C bis +80°C
- Rating spray water proof IP65

5 Area of application & product features

According to legal requirements, the failure of a turn signal must be indicated to the driver by a higher flashing frequency. When using LED indicators, the current flow on the left and right side of the indicator is measured. If the measured current is smaller than the specified threshold, the flashing frequency is doubled. The attachment of LED accessory flashers can cause the current flow to differ and lead to a change in the flashing frequency.

The mo.load is an adjustable load that allows the current flow to be increased in discrete steps to return to the original current.

The mo.load is only suitable for use on vehicles with OEM LED indicators. This means that if turn signals with light bulbs were installed on the vehicle in its factory state, it is not possible to use the mo.load.

6 Overview



7 Installation and connection

The mo.load housing heats up during operation. The attachment to the vehicle should be splash-proof, draft-free, away from hot engine and exhaust parts using two M4 screws or cable ties on a metal surface (e.g. frame tube).

The black connection wire is connected to the vehicle ground (battery negative pole). The other two connection wires are each connected to a left or right turn signal (either at the rear or front).

8 Setup

The mo.load has a rotary switch with 16 positions, which is adjusted with a small slotted screwdriver.

At rotary switch position $\boldsymbol{0}$ the load setting is 0W. With each additional clockwise rotary switch position the load is increased by 0.5W, up to a maximum of 7.5W in the last position \boldsymbol{F} .

After installing the new LED indicators and the mo.load, the rotary switch is set to position **1** and the flashing frequency is checked. If the flashing frequency is not correct after 1 minute of flashing, switch off the vehicle ignition, move the rotary switch one position clockwise, switch on the ignition and flash again for 1 minute.

Repeat the process until the flashing frequency is correct.

Declaration of conformity

motogadget GmbH hereby declares that the product is compliant with the applicable EU guidelines. The full text of the EU declaration of conformity is available at the following internet address::

https://manuals.motogadget.com/mo-load

