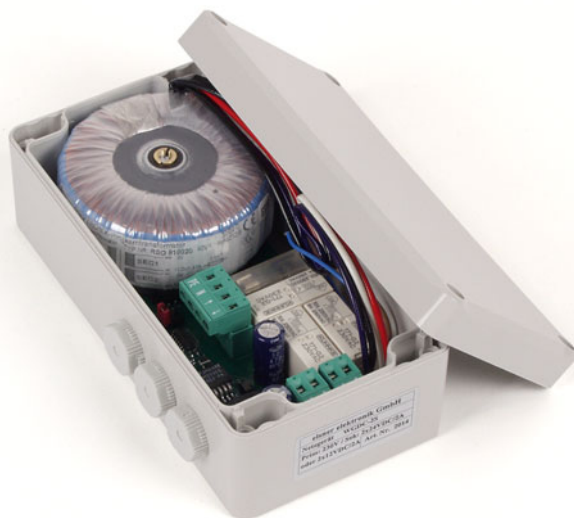




WGDC-2S

DC Power Adaptor

Technical specifications and installation instructions



1. Description

The **WGDC-2S Power Adaptor** can be set to an output voltage of 12 volt, 24 volt, or to softstart. The softstart function makes it particularly suitable for the precise regulation of the slat angle of Venetian blinds because the output voltage switches from 12 volt to 24 volt only after approx. 1 second of operation.

The integrated switching relay spans the contacts internally, as long as no control voltage is present. This fixes the connected drives in position.

Functions:

- Set to output voltage 12 V DC, 24 V DC or "softstart"
- Integrated switching relay
- Maximum total output current 2 A, e.g. for parallel operation of four 500 mA direct current motors
- Connection terminals are labelled and pluggable

1.1. Technical specifications

Housing	Plastic
Colour	Grey
Mounting	Surface-mounted
Protection category	IP 54
Dimensions	approx. 160 × 80 × 57 (W × H × D, mm)
Weight	approx. 955 g
Ambient temperature	Operation -40...+70°C, Storage -55...+90°C
Operating voltage	230 V AC / 50 Hz
Outputs	2 x drives, short circuit-proof, stabilised
Output voltage	variable jumpers (12 V DC / 24 V DC)
Output current	total 2 A
Transformer primary fuse	T 1.6 A

2. Installation and commissioning



Please check that the motor supports the softstart function before connecting the power supply!

2.1. Notes on installation



Warning, mains voltage!

National legal regulations are to be observed.

Installation, inspection, commissioning and troubleshooting of the device must only be carried out by a competent electrician.

Disconnect all lines to be assembled, and take safety precautions against accidental switch-on.

The device is exclusively intended for appropriate use. With each inappropriate change or non-observance of the instructions for use, any warranty or guarantee claim will be void.

After unpacking the device, check immediately for any mechanical damages. In case of transport damage, this must immediately notified to the supplier.



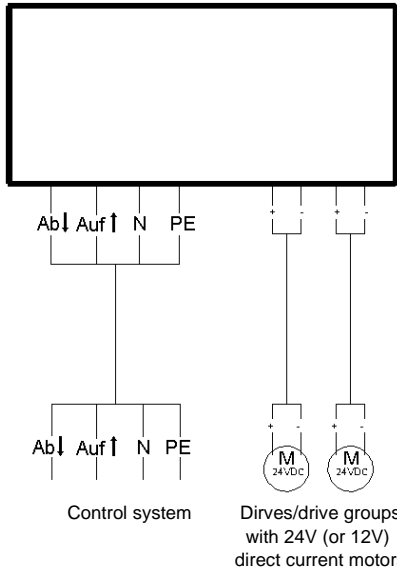
If damaged, the device must not be put into operation.

If an operation without risk may supposedly not be guaranteed, the device must be put out of operation and be secured against accidental operation.

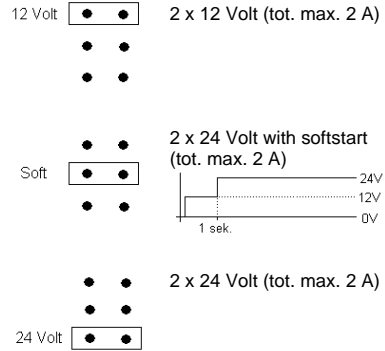
The device must only be operated as stationary system, i.e. only in a fitted state and after completion of all installation and start-up works, and only in the environment intended for this purpose.

Elsner Elektronik does not assume any liability for changes in standards after publication of this instruction manual.

2.2. Diagram



Jumper settings: Output voltages:



2.3. Notes on mounting and commissioning

Do not open the device if water (rain) might ingress: even some drops might damage the electronic system.

Observe the correct connections. Incorrect connections may destroy the sensor or connected electronic devices.