



Output controller (3x 3000 W)



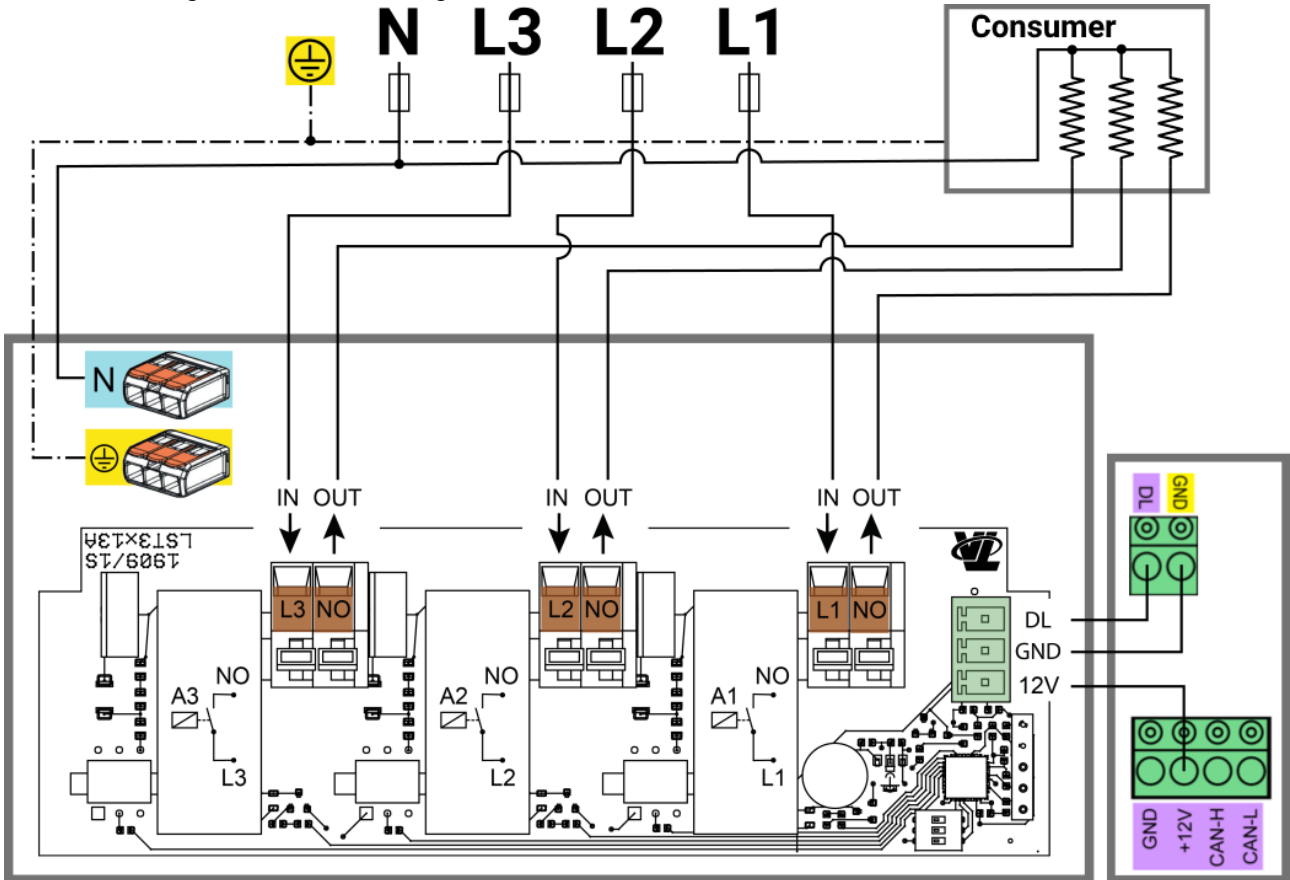
Output controller **LST3x13-DL** switches up to three consumers (AC, rated power max. 3000 W each).

Connection

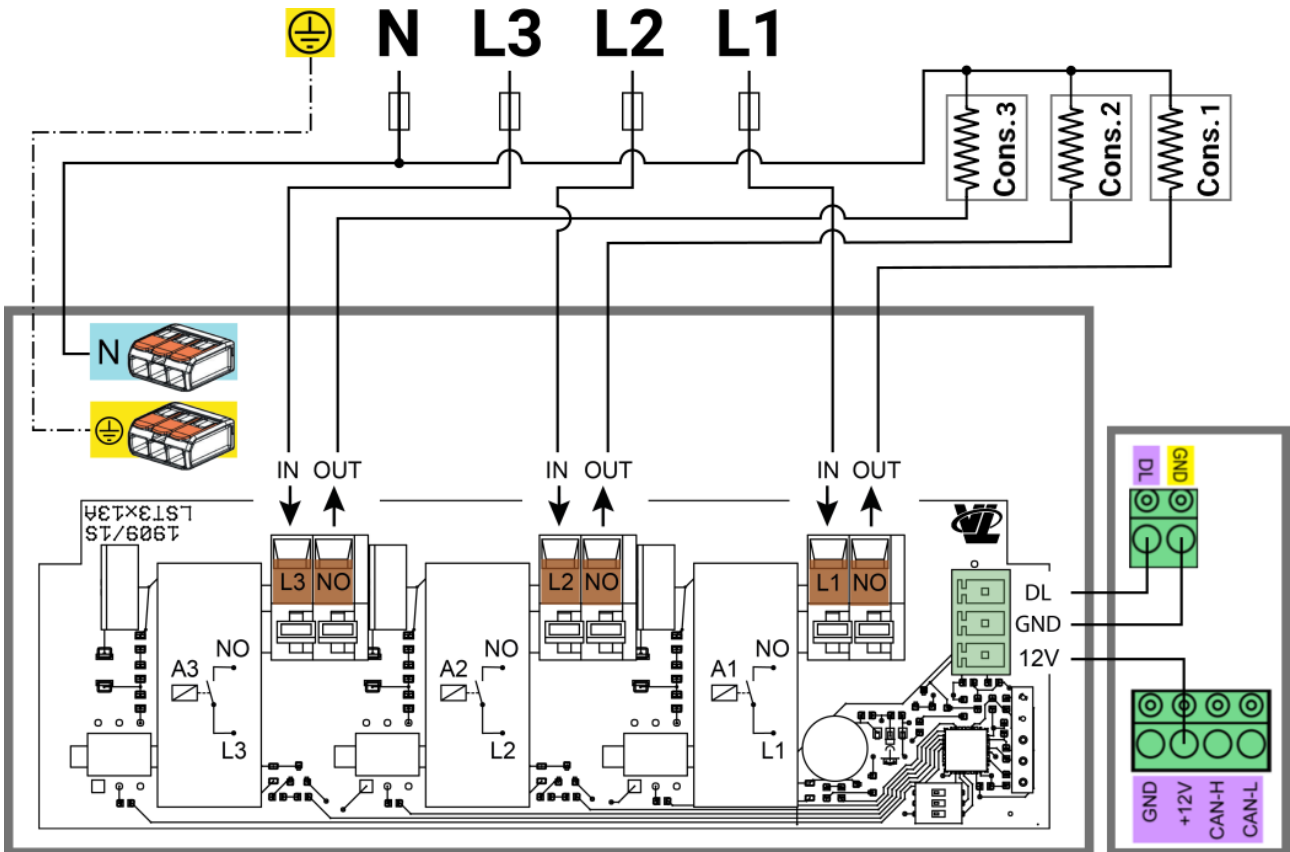
Both the DL bus (**DL** and **GND**) and a **12 V** supply (e.g. from the CAN bus) must be connected. Make sure that you use cables with a suitable cross-section and temperature resistance according to the applicable standards.

1 consumer

Three-phase consumers must be protected with a suitable motor circuit breaker. In this application, all 3 outputs must be switched simultaneously via **Index 4**. If an output is switched off, it can only be switched on again after a blocking time of 5 seconds.



3 consumers



Index

The three channels (outputs) of the output controller can be separated via DL outputs with indices 1-3 or jointly activated with index 4.

Index	Channel
1	Digital ON/OFF for output 1
2	Digital ON/OFF for output 2
3	Digital ON/OFF for output 3
4	Digital ON/OFF for all outputs (dominant)

The output controller communicates the status of each output via the DL bus. This can be read on the controller via digital DL inputs with indices 1-3.

Index	Channel
1	Digital ON/OFF for output 1 status
2	Digital ON/OFF for output 2 status
3	Digital ON/OFF for output 3 status

DL address

The output controller has a default address of 1. This address can be changed using the DIP switches in the device. The final address is made up of the default 1 and the sum of the DIP switches that are set to "ON".

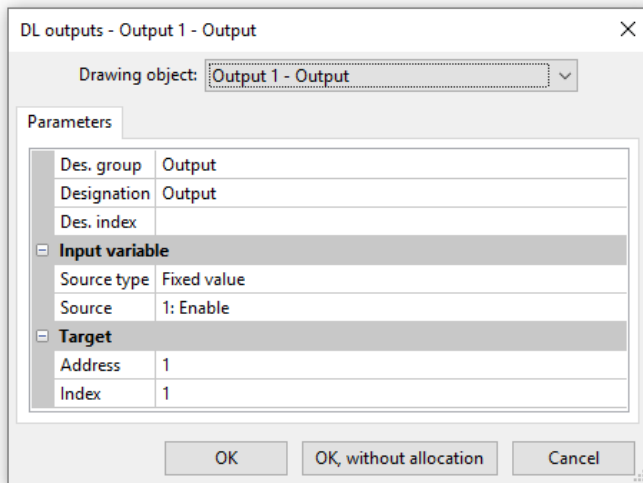
Example

Required address	6
Default setting	1
DIP switches 1 and 4	+ 5
Sum = address	= 6
DIP switches 1 and 4 must be set to ON .	



Position of DIP switches as per the example

Programming



The consumers to be switched are specified to the output controller over the DL bus. For this purpose, a **DL bus output** is programmed to transmit a **digital (On/Off)** value.

Example: The first output of an output controller with the address **1** is activated with index **1**. Here, this value comes from a digital fixed value, but the source is irrelevant as long as a digital **ON/OFF** signal is used.

Technical data

DL bus load	10 %
Power consumption	Max. 1.2 W
IP rating	IP 40
Terminal capacity	Max. 1.5 mm ²
Max. ambient temperature	45 °C
Fuse	No internal fuse protection Device and consumers must be protected with suitably rated fuses according to the applicable standards
Resistive loads	Max. 3000 W
Inductive loads	Max. starting current 25 A
Electronic (capacitive) loads	Not suitable

Subject to technical modifications as well as typographical and printing errors. This manual is only valid for devices with the corresponding firmware version. Our products are subject to constant technical advancement and further development. We therefore reserve the right to make changes without prior notice.