

# LCN-NH12

## 12V Power Supply Unit DIN rail mounted



### Description:

The LCN-NH12 is a 12V PSU for motors capable of reversing the polarity of its output enabling drive in both directions. It converts comfortably 230V AC into 12V DC for shutter motors and blinds.

Additionally the LCN-NH12 has an internal current sensor so when used in conjunction with a binary sensor it can report on the state of the motor e.g. whether the motor is actually running.

### Field of application:

The LCN-NH12 is directly switched between the two 230V outputs of an intelligent bus module (A1 and A2) and a 12V motor.

The LCN-NH12 can also be used as a separate power supply for powering devices outside from the LCN system which require a step down voltage to 12V.

### Hardware equipment:

Output for power supply with 12V (reversible polarity)

Current sensor

Status display

### Note:

Unique to the LCN-NH12 is the internal current sensor that when used in conjunction with a binary sensor (LCN-B31/-B8L) it can report on the state of the motor e.g. whether the motor is actually running.

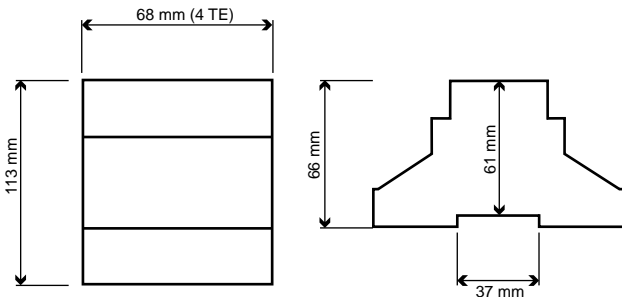
The power supply is unregulated, the no load output can be higher than the nominal voltage.

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### Dimensions:

**Mass** (W x L x H): 68 mm x 113 mm x 66 mm



**Space requirement:** 4TE

**Assembly:** Attached built-in device on 35 mm mounting rail (DIN 50022) or screw fixture

### Technical Data:

**Connection:**  
 Supply voltage: 230V~ ±15%, 50Hz  
 Input power: max. 12W  
 Micro fuse: 100mA  
 Terminals: screwless  
 Cable type: max. 16A single or multi-core max. 2,5mm<sup>2</sup> or with insulated ferrules max. 1,5mm<sup>2</sup>

**Output:**  
 Voltage: + / - 12V=  
 Power capacity: 1A  
 Neutral voltage: 16V=

**Binary Signal:**  
 Querying voltage: max. 24V=  
 Querying current: max. 0,1A

**General Details:**  
 Operating temperature: -10°C to +40°C  
 Humidity: max. 80% rel., non condensing  
 Environmental conditions: stationary installation according to VDE 632, VDE 637

**Safety classification:** IP 20

### Circuit Diagram

