

# LCN-NH12

## 12V Motor power supply unit

The LCN-NH12 is a low voltage PSU capable of reversing the polarity of its output. It converts 230V into low voltage for shutter and blind motors.

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

### Field of application:

The LCN-NH12 is directly connected between the two 230V outputs of an LCN module and a 12V motor.

The LCN-NH12 can also be used outside of the LCN system for controlling other devices requiring low voltage rather than 230V.

### 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 which when used in conjunction with a binary sensor (LCN-B31/-B8L) can report on the state of the motor e.g. whether the motor is actually running or not.

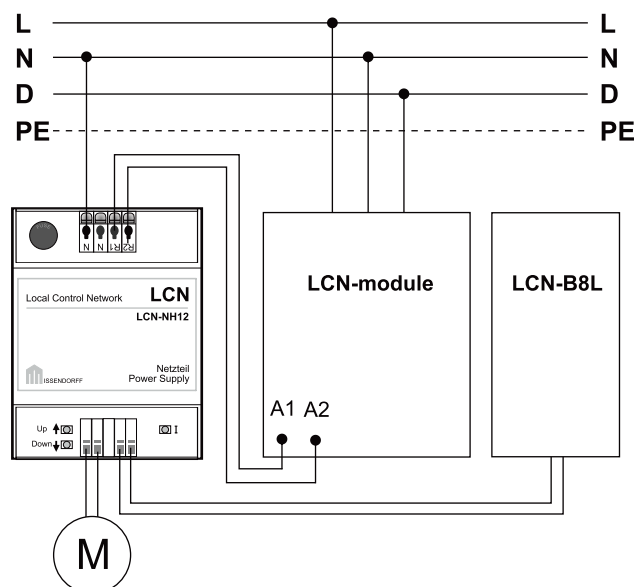
The power supply is unregulated which means that the open circuit voltage is higher than the nominal voltage! For more detailed information please refer to the installation instructions.



### Technical Data:

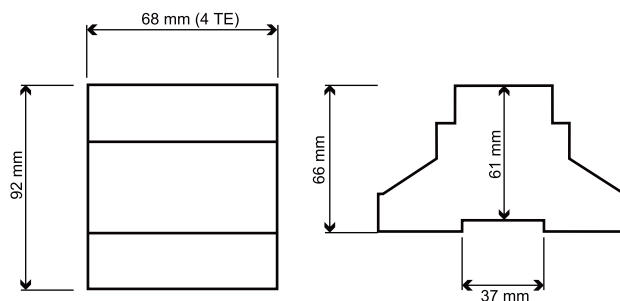
<b>Connection:</b>	
Supply voltage:	230V AC ±15%, 50Hz (110V AC ±15% type available)
Input power:	max. 12W
Micro fuse:	100mA
Terminals:	screwless
Cable type:	max. 16A single or multi-core max. 2,5mm <sup>2</sup> or with insulated ferrules max. 1,5mm <sup>2</sup>
<b>Output:</b>	
Voltage:	+ / - 12V=
Power capacity:	1A
Neutral voltage:	16V=
<b>Binary Signal:</b>	
Querying voltage/current:	max. 24V= / max. 0,1A
<b>General Details:</b>	
Operating temperature:	-10C to +40C
Humidity/Environmental conditions:	max. 80% rel., non condensing stationary installation according to VDE 632, VDE 637, IP 20

### Circuit Diagram



### Dimensions:

(L x W x H): 68 mm x 92 mm x 66 mm



### Assembly:

REG on 35 mm mounting rail (DIN 50022)

# LCN-NH24

## 24V Motor power supply unit

The LCN-NH24 is a low voltage PSU capable of reversing the polarity of its output. It converts 230V into low voltage for shutter and blind motors.

Additionally, the LCN-NH24 has an internal current sensor which when used in conjunction with a binary sensor can report on the state of the motor e.g. whether the motor is actually running.

### Field of application:

The LCN-NH24 is directly connected between the two 230V outputs of an LCN module and a 24V motor.

The LCN-NH24 can also be used outside of the LCN system for controlling other devices requiring low voltage rather than 230V.

Can also be used as a simple 24V power supply unit for DC voltage.



### Hardware equipment:

Output for power supply with 24V (reversible polarity)

Current sensor

Status display

### Note:

Unique to the LCN-NH24 is the internal current sensor which when used in conjunction with a binary sensor (LCN-B31/-B8L) can report on the state of the motor e.g. whether the motor is actually running or not.

The power supply is unregulated which means that the open circuit voltage is higher than the nominal voltage! For more detailed information please refer to the installation instructions.

### Technical Data:

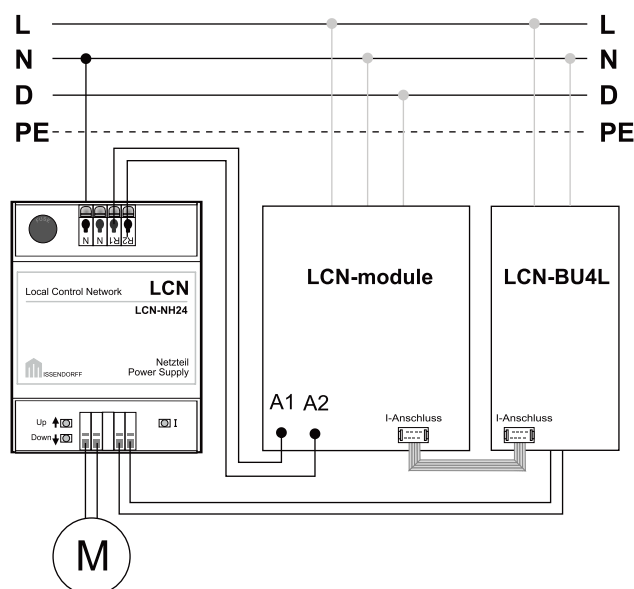
**Connection:**  
 Supply voltage: 230V AC  $\pm 15\%$ , 50Hz  
 (110V AC  $\pm 15\%$  type available)  
 Input power: max. 12W  
 Micro fuse: 100mA  
 Terminals: screwless  
 Cable type: max. 16A single or multi-core  
 max. 2,5mm<sup>2</sup> or with insulated  
 ferrules max. 1,5mm<sup>2</sup>

**Output:**  
 Voltage: + / - 24V=  
 Power capacity: 0,5A  
 Neutral voltage: 30V=

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

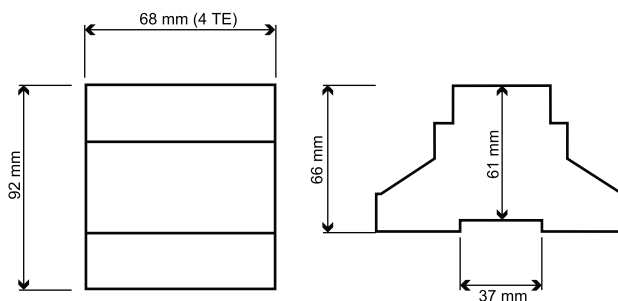
**General Details:**  
 Operating temperature: -10C to +40C  
 Humidity/Environmental conditions: max. 80% rel., non condensing  
 stationary installation according  
 to VDE 632, VDE 637, IP 20

### Circuit Diagram



### Dimensions:

(L x W x H): 68 mm x 92 mm x 66 mm



### Assembly:

REG on 35 mm mounting rail  
 (DIN 50022)