

# LCN-TL12H

## Tableau-converter for 8 potential free keys and 12 LEDs with common anode (+)

The LCN-TL12H converts any eight (potential free keys) at the T-port connection (key input) of an LCN bus module. 12 LEDs can be controlled for indicating any status on the bus. Brightness can be set on two levels. For LED control, the states, 'off, on, flash and flicker' are supported.

The outputs are power sources with switchable current outputs (1.8mA/15mA) to control the LEDs. Each key recognises the established commands: 'Hit, Hold and Release.' It is designed to be used with the LCN-SH, -HU, -LD or LCN- SHS modules.

### Description:

The LCN-TL12H is designed for connecting to conventional tableaux/ control panels with keys and LED indicators. Light-emitting diodes of any colour and with or without inbuilt series resistors (max 1.2KOhm, 24V) can be controlled in any combination.

The outputs are power sources ie. Every output accordingly adjusts its output voltage to the connected LED automatically. It is possible to operate several LEDs in a row from one output (total forward voltage < 24V!) All of the outputs are short-circuit proof. The outputs work with respect to ground/earth; all of the connected LEDs are connected to LCN-TL12H via the anode on the joint connection clip.



### Hardware equipment:

Cable with plug for T-Port connection

Loop-through clips for power supply line  
Operation LED

Indicator LED visible externally for all 12 outputs

In-built power supply unit with overtemperature protection

### Note:

Not suitable for permanent contacts!

For more detailed information please refer to the installation manual.

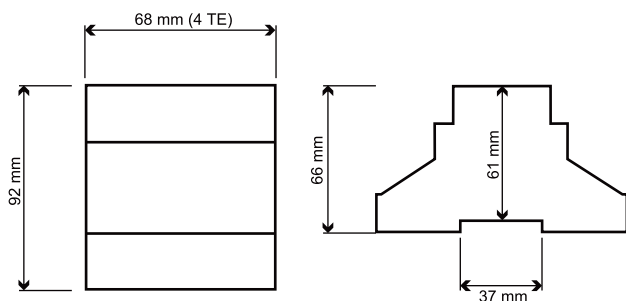
# LCN-TL12H

Tableau-converter for 8 potential free keys and 12 LEDs with common anode (+)

- for conventional tableaux/ control panels
- converts any eight (potential free keys)
- connected to the T-Port

## Dimensions:

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



Height: 66mm  
61mm over DIN rail

Space requirement: 4TE

Assembly: REG on 35 mm mounting rail  
(DIN 50022)

## Technical Data:

**Connection**  
power supply: 230VAC  $\pm 15\%$  50Hz/60Hz  
(110VAC available)  
power consumption : <5VA  
terminals/wire type: single wire solid up to 1,5mm<sup>2</sup>,  
fine wire up to 1mm<sup>2</sup>, fine wire  
with wire end sleeves up to  
0,75mm<sup>2</sup>

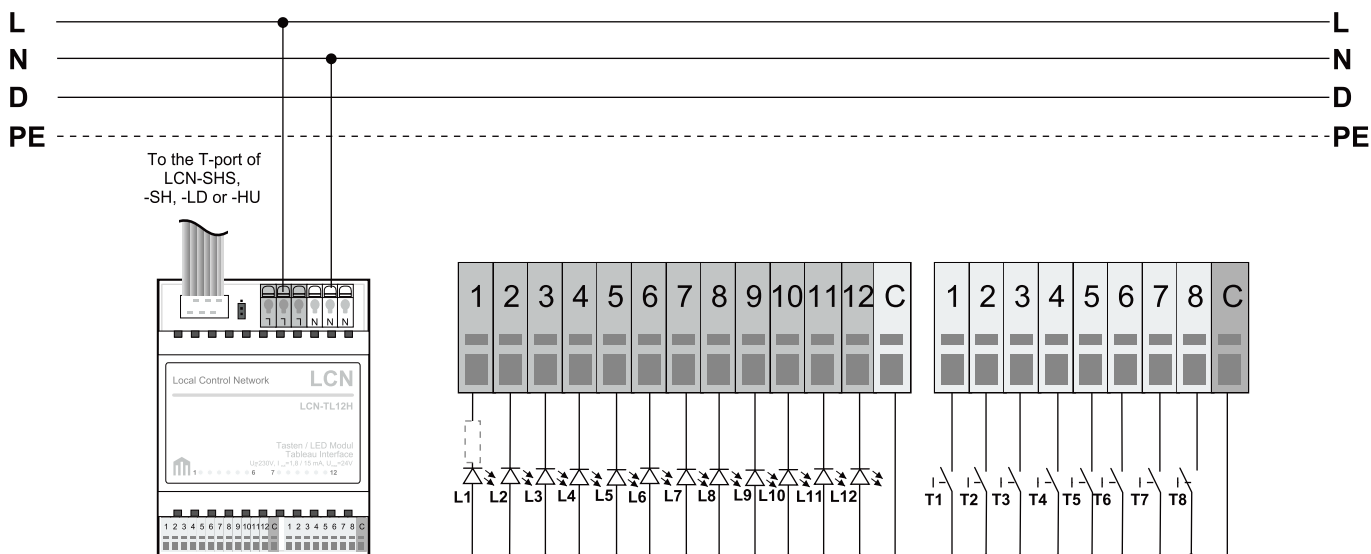
LCN-connection: T-connecting cable length  
250mm → not extendable

inputs/push-button function: 8 / Hit, Long, Release for  
potential free push-buttons - no  
permanent contacts,  
extendable up to max. 5m with  
shielded cable

outputs (power source): 12, for connecting to LED's, all  
colours, LED with series  
resistor for max. 24V (max.  
1,2k $\Omega$ ). source current 1,8mA  
or 15mA (switchable)  
extendable up to max. 5m with  
shielded cable

**Installation**  
operating temperature: -10°C bis +40°C  
air humidity: max. 80% rel., non condensing  
environmental conditions: for use as stationary installati-  
on according to VDE-632, -637  
protection art: IP20

## Circuit Diagram



The connecting cables for the switches and LEDs lead N potential!