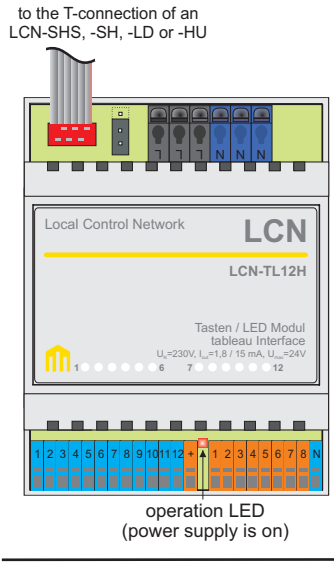
Tableau-converter for 8 potentional free keys and 12 LED for DIN rail mounting (distribution boxes)



LCN-TL12H triggers eight conventional push-buttons (potential free) on the T-connection (key input) of the LCN modules. The power supply for the LED,s is integrated.

Important: Be aware of the polarity from the LED's → "N" is switched!

Additionally the LCN-TL12H controls twelve LED´s- every colour (even mixed), with or without series resistors. The outputs offer a (lamp brightness) switchable brightness level, one on each command

1,8 mA = min. LED brightness
15 mA = max. LED brightness

The LCN-TL12H is supplied for operational use with LCN-SHS, LCN-SH, LCN-HU, or LCN-LD modules.

Application areas:

The LCN-TL12H can be used for connection to conventional (potential free) push-buttons. Even heavy push-buttons for industry panels with large LED´s, can be directly controlled from the LCN-TL12H.

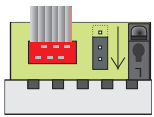
LCN requirements:
all modules with serial-nr.: 10060F(June/2006 or after)
software: LCN-PRO vers. 3.1 or later.

With older modules (LCN-UPP, LCN-SH+, LCN-HU) manufactured at the end of year 2000, an operation with max. 8 LED´s is possible.

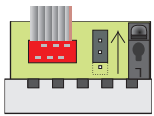
Connection:

Push-buttons and LED´s are to be connected with the cable ends included, as shown in the diagram on page 5.

For the lower voltage (12V-LEDs or LEDs without series resistor), the jumper bridge has to be positioned towards the outside of the casing (illustr. 2) and for higher voltages (24V-LEDs), towards the middle of the casing. (illustr. 1).



illustr.1: ≤12V-LEDs



illustr.2: 24V-LEDs

Setting up under LCN-PRO:

In the menu `connections> T-connection` choose the setting "LCN-TL12H/-TL12R/ - KT8 tableau".

Function:

The 8 push-buttons on the tableaus work on the key table A. The **HIT**-, **LONG**-, **RELEASE**-commands are fully supported.

All LCN modules have tableau (panel) functions. The sum processing is also available for the 12 LED´s.

Over the command LED brightness, the operating currency and thus the LED brightness can be toggled between1,8mA and 15mA.

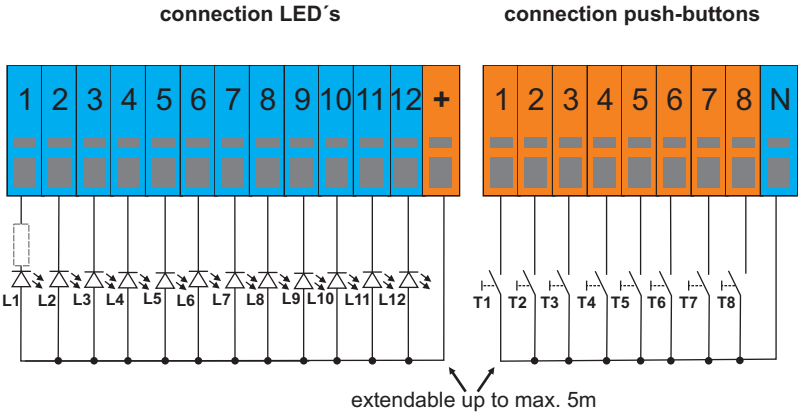
With old modules serial nr.: 0A09... up to and including 0F... , only the first eight LED´s can be operated (set up: EIB-Siemens). Internally, all 12 display LED´s will be processed.

Extra function: 8 further push-button functions:

With plus-modules from year 1999 or after, there is the possibility, by pressing two push-buttons at the same time, to trigger a key from the table C. Key 1+2 trigger off C1, 3+4=C2, 5+6=C3, 7+8=C4, 1+7=C5, 2+8=C6, 1+8=C7, 2+7=C8.

This art of dual pressing is especially useful for functions that should not be accidentally triggered (zentral off, saved light scenes, activating alarm systems,...).

Connection diagram:



Note:
The blue terminals are not electrically isolated from N-potential!
Use the LCN-TLK12H for tableaus with common cathode.

Technical data

Connection

power supply:	230VAC ±15% 50Hz/60Hz (110VAC available)
power consumption :	<5VA
terminals/wire type:	single wire solid up to 1,5mm², fine wire up to 1mm², fine wire with wire end sleeves up to 0,75mm²
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. 1,2kΩ). 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 installation according to VDE-632, -637
protection art:	IP20
dimensions (L x D x H):	4HP 68 x 66 x 92mm

Technical information and images are non binding. Changes are reserved.
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