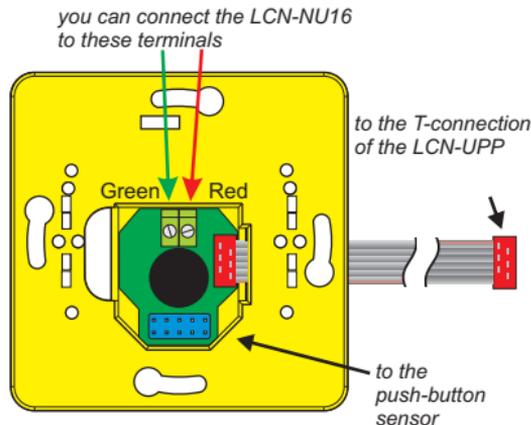


## Adapter for operating the LCN-GT6 or KNX/EIB-buttons on the T-connection

The LCN-TEU is provided for operating with LCN-UPP, -UPS or -UP24. It supports the LCN-GT6 and general 3- and 4-way push-button sensors from the companies **Gira**, **Jung**, **Berker** and **Busch-Jäger**. For **Feller** and **Levy**, a version without holding clamps is available.

For the operation with voltage critical push-buttons, like 3/6-way push-button sensors from **Berker B.IQ** series or the 1-,2- and 4-way push-button sensors from **Busch-Jaeger**, an additional power supply with the LCN-NU16 (not included in delivery) is needed. Apart from that, an LCN-NU16 is needed when the background lights are being used with the general 3-way push-button sensor from **Gira** and **Hager WYT**.



Push-button sensors with special functions, like e.g. multi function push-buttons, Light scenes, storage etc. will not be supported. These functions are already integrated in the LCN-modules anyway.

For 1- and 2-way push-button sensors from the companies **Gira**, **Jung** and **Berker**, please use the LCN-TE2. With this adapter, you can even connect two 1-way and/or a 2-way push-button sensor on the same LCN module when using an

additional LCN-TEU.

### Function:

In the LCN modules you can program up to 8 push-buttons. With every key, the known commands **HIT-**, **LONG-**, **RELEASE** are available.

All LCN modules have an additional panel function. 12 display lamps are processed internally. All 12 lamps are available for LCN sum processing. The amount of visible LED's on the outside depends on the switch panel. With 4-way push-buttons only the first five lamps are normally displayed - it hasn't any more LED's. Only the HAGER WYT 3-way push-button sensor shows all 12 lamps.

### Notes about different makes:

- **Gira 3-way:** the two red LED's on each button are switched parallel and can be controlled together = a maximum of 3 lamps; Lamp 5 on the Gira push-button sensor activates the background light when connected to an LCN-NU16.

- **Busch-Jaeger 4-way:** only four lamps. The lamps light up red in an inactive condition and green when activated.

- **Busch-Jaeger 1- and 2-way:** These push-buttons are evaluated 4 and 6 with LED 1 or push-buttons 1,2,3,5 with LED 1 and 2. These push-button sensors cannot be cascaded.

- **Berker B.IQ series:** the two white LED's on each button are switched parallel and can only be controlled together.

**Software version:** LCN-PRO, 2.15 or after

**Settings:** Under `connections` parameterize the T-connection with the settings LCN-TE`x` EIB Gira, Jung, Berker, ...

### Notes about programming:

The buttons of the KNX/EIB-push-button sensors work on the table A in the modules according to their numbers. Button 1 works on key A1 etc.. The numbering of the buttons is different depending on the manufacturer, tables on pages 6 - 9.

### Additional function: 8 further push-button functions:

Under LCN the KNX/EIB push-button sensors have up to 8 further functions: Through pressing two buttons at the same time, a key is triggered on the table C:

button 1+2 = C1

button 3+4 = C2

button 5+6 = C3

button 7+8 = C4

button 1+7 = C5

button 2+8 = C6

button 1+8 = C7

button 2+7 = C8

This type of double contact is especially suitable for functions, that should not accidentally be triggered off (central off, scene memory, activating alarm systems, ...)

**Connecting the LCN - TEU:**

The LCN-TEU is connected to the T-connection on LCN modules. After that the frame is installed over the flush mounted box. Don't screw too tight!

The ten pin plug strip on the EIB/KNX push-button sensor is then stuck into the blue jack on the LCN-TEU and the holding clips latched into the provided openings.

Push-button sensors from the companies **Gira**, **Jung** and **Berker** can be snapped or screwed onto the frame directly.

With push-button sensors from the companies **Hager** and **Busch-Jaeger**, the holding frame from the LCN-TEU has to be slightly modified. With BJ push buttons, the frame has to be placed on a table with its rearside upwards. Then you can break off the **four** plastic noses with a screwdriver on the RED marked areas ( illustr. on page 5). To do this you place a screwdriver into the slot (see arrow) and press down firmly. (A light blow with the ball of the hand on the screwdriver can be a good support.) With Hager push buttons, the small bridges between the long holes have to be removed ( illustr. on page 5).

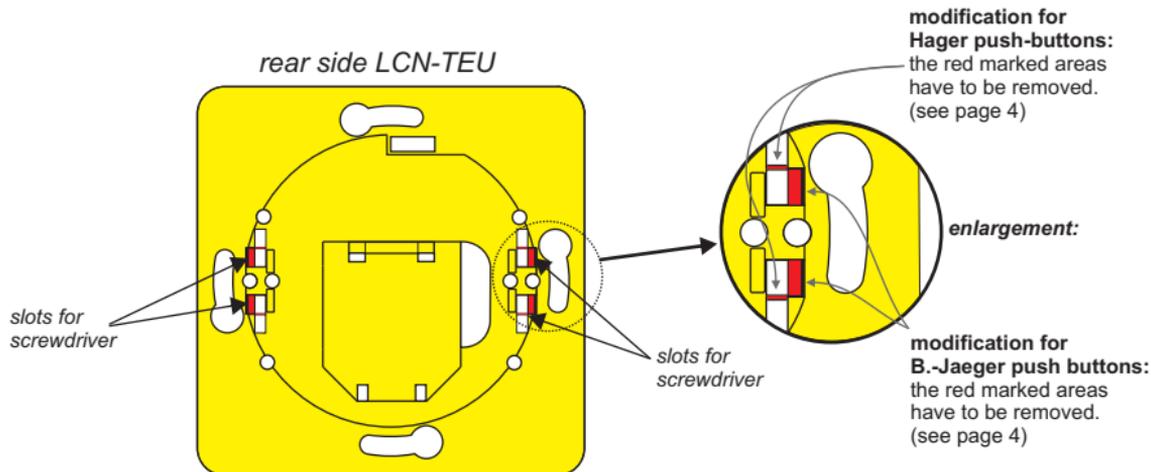
Push-buttons from the firms **Levy** and **Feller** need a special support ring, which can only be obtained directly from the manufacturer. For this reason, a LCN-TEU **without** support ring is needed. **(Please state this when ordering!)**

**Connecting the LCN - NU16:**

The red and green wires on the LCN-NU16 are connected directly to the terminals on the LCN-TEU. The terminals on the circuit board are marked RED and GREEN.

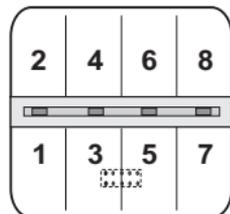
**Notes:**

- An LCN-NU16 can supply all the push-button converters together on one module. It is not permitted, to lay the power supply of the LCN-NU16 between two or more modules.
- The Eberle continuous regulator will not be supported after module ser.nr: 0E....!

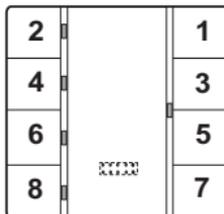


### Push-button sensors to operate without LCN-NU16:

**Jung**, instabus push-button sensor,  
4-way, Art.-Nr.(CD)  
2074 NABS (xx)



**Jung**, instabus push-button sensor,  
4-way, Art.-Nr.  
2074 NABS (xx)

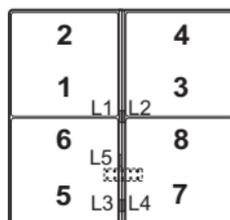


**GIRA**, instabus push-button sensor,  
3-way, without controller  
Art.-Nr. 1013 (xx)

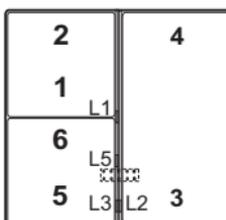


note: when operating the  
background light, an LCN-  
NU16 is needed

**Jung**, instabus push-button sensor,  
4-way, Art.-Nr.(FD)  
2074 TSM (xx)



**Jung**, instabus push-button sensor,  
3-way, Art.-Nr.(FD)  
2073 TSM (xx)

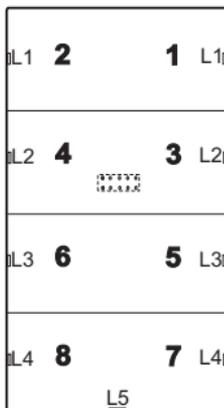


## Push-button sensors to operate without LCN-NU16:

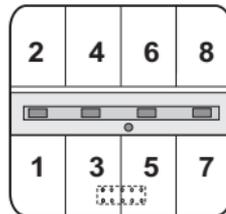
**Berker,**  
3-way,  
Art.-Nr. 7516 33 (xx)



**Berker,**  
4-way,  
Art.-Nr. 7516 43 (xx)



**Berker,**  
4-way, Art.-Nr.:  
75164 0 o.1 (xx)



### Push-button sensors to operate with LCN-NU16:

**ATTENTION: switch off power when connecting!**

**Busch-Jaeger**, push-button sensor,  
4-way, with label space  
Art.-Nr. 6127-8...

2	L1	1
3	L2	5
4	L3	6
8	L4	7

**Busch-Jaeger**, push-button sensor,  
2-way, with label space  
Art.-Nr. 6126-8...

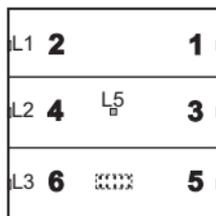
2	L1	1
3	L2	5

**Busch-Jaeger**, push-button sensor,  
1-way, with label space  
Art.-Nr. 6125-8...

	L1	
6		4

## Push-button sensors to operate with LCN-NU16:

**Berker**, B.IQ, 3-way,  
Art.-Nr. 7516 30 (xx)



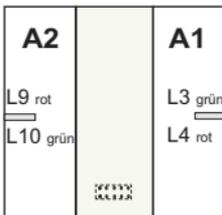
**Berker**, B.IQ, 4-way,  
Art.-Nr. 7516 40 (xx)



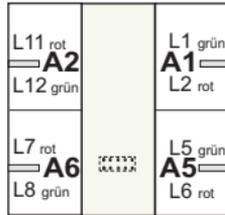
**ATTENTION:**  
connect with power off!

The auxiliary voltage from the LCN-NU16 destroys the push-button sensors, when it comes onto a wrong connection! That's why you should always switch off the LCN-NU16 before the push-button sensor is inserted. Before switching back on, always check that the connecting jack from the push-button has been inserted correctly!

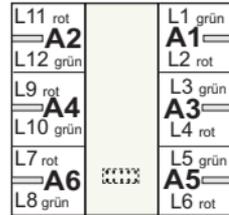
**Hager**, push.B. 1-way,  
Art.-Nr. WYT32 (xx)  
module Ser.Nr.:  
120610 or later



**Hager**, push.B 2-way,  
Art.-Nr. WYT34 (xx)  
module Ser.Nr.:  
120610 or later



**Hager**, push.B 3-way,  
Art.-Nr. WYT36 (xx)  
module Ser.Nr.:  
120610 or later



### Notes about Hager push-buttons:

when operating the background light, an LCN-NU16 is needed. The power supply is also required, when more than half of the LED's are being operated together. (Every push-button has 2 LED's, were as the green LED's have less power consumption as the red ones.)

Command LED-brightness.

**Technical data:****General data:**

operating temperature:	-10°C bis +40°C
air humidity:	max. 80% rel., non condensing
environmental conditions:	Use as stationary installation according to VDE632, VDE637
protection art:	IP 20, when used in flush mounted box

**ATTENTION: switch off the power before connecting!**

The auxiliary voltage from the LCN-NU16 destroys the push-button sensors, when it comes onto a wrong connection! That's why you should always switch off the LCN-NU16 before the push-button sensor is inserted. Before switching back on, always check that the connecting jack from the push-button has been inserted correctly!

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Technical hotline: +49 5066 998844 or [www.LCN.de](http://www.LCN.de)