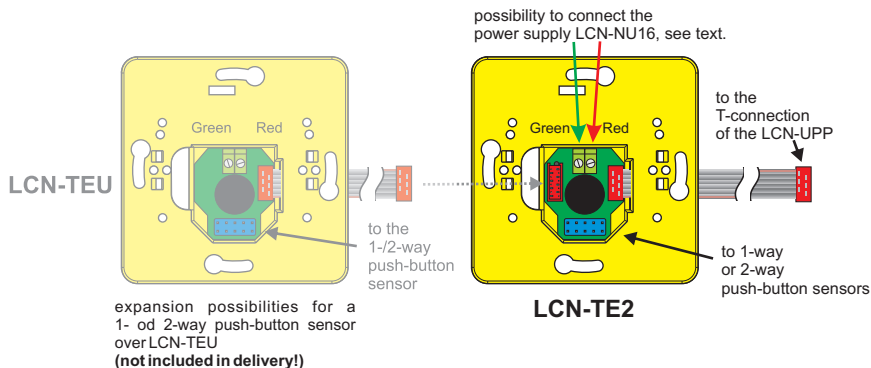


Adapter cable for operating EIB/KNX push-button sensors on the T-connection

The LCN-TE2 is provided for operation with LCN-UPP, -UPS oder -UP24.

Standard 1- and 2-way push-button sensors from the companies **Gira**, **Jung**, **Berker** and **Siemens** are supported.

With an additional LCN-TEU, a second 1- or 2-way push button sensor can be connected. A mixed operation (1-way/2-way) is possible.



1-way and 2-way push-buttons sensors from **Busch Jaeger** or **Hager** need the power supply LCN-NU16 to operate the LCN-TEU and the LCN-TE2!

If the background lights on the standard 1- and 2-way push-button sensors from **Gira** (1011 xx und 1012 xx) are to be operated, then an LCN-NU16 is needed as additional power supply .

Push-button sensors with special functions, like for example multi function push-buttons, light scene memories, etc., are not supported. Their functions are integrated in the LCN modules anyway.

Function:

With the LCN-TE2, you can program up to 8 buttons (when using two 2-way push-button sensors on the LCN-TE2 plus an LCN-TEU). Under every button, the known commands **HIT**-, **LONG**-, **RELEASE** are available.

The lamps in the buttons are directly supported from the panel function in the LCN modules. Because the 2-way push-button sensors have up to 3 LEDs, 6 lamps can be visibly shown. internally - as usual with LCN - 12 display lamps are processed. The first 6 of them are displayed on the buttons . All 12 lamps can be used for the sum processing.

Software version: LCN-PRO 2.15 or later

Settings: Under `connections` the `T-connection` parameterized with the settings `LCN-TEx EIB Gira, Jung, Berker, ...`

Connecting the LCN-TE2:

The LCN-TE2 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-TE2 and the holding clips latched into the provided openings.

Should a further EIB push-button sensor have to be evaluated, the best possibility is to extend using the LCN-TE2 with an LCN-TEU. On the extension adapter a further 1- or 2-way push-button can be connected.

The holding frame universally suitable for connecting the push-buttons. The push-button sensors from the companies **Gira**, **Berker**, **Jung** and **Siemens** can be snapped or screwed onto the frame directly.

The 1- and 2-way push-button sensors can be freely combined with one another, were as the, from the 1st circuit board of the LCN-TE2 (as seen from module), the push-buttons 1-4 and the LED's 1-3 are operated.

From the LCN-TEU (the 2nd circuit board), the push-buttons 5-8 and the LED's 4-6 are operated.

Example: When a 1-way push-button is connected to the LCN-TE2 and a 2-way push-

button to the LCN-TEU, the first controls the buttons 1-2 and the second the buttons 5-8. The buttons 3 and 4 will not be evaluated. The LED's act in a similar way.

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 5 - 7.

Notes about special push-button sensors:

- **GIRA 1-way and 2-way:** (10 11 xx, 10 12 xx) The push-buttons have 2 or 4 LED's, which are internally parallel as pairs. When connecting the power supply LCN-NU16, the background light is activated from the lamps 3/6.

- **GIRA**, 2-way 2012 xx: L3 will be turned off automatically, when L2 is switched on.

Connecting the LCN - NU16:

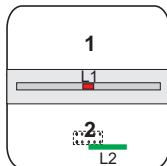
The red and green wires on the LCN-NU16 are connected directly to the terminals on the LCN-TEU. The terminals on the circuit board are marked RED and GREEN.

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.

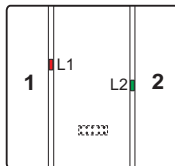
ATTENTION: switch off the power before connecting! KNX push-button sensors can be damaged, when the power supply LCN-NU16 is in operation when connecting.

Push-button sensors operated on the LCN-TE2:

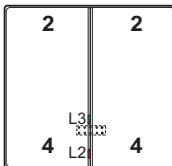
Jung,
1-way, Art.-Nr.
(CD) 2071 (xx)



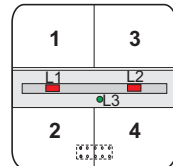
Jung,
1-way, Art.-Nr.
(LS/AL/ES) 2071 (xx)



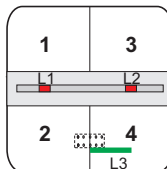
Jung,
1-way, Art.-Nr.
(FD) 2071 TSM (xx)



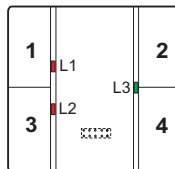
Berker,
2-way, Art.-Nr.
7516 20 o.1 (xx)



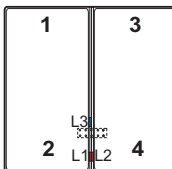
Jung,
2-way, Art.-Nr.
(CD) 2072 (xx)



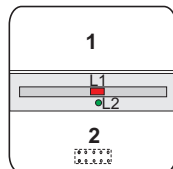
Jung,
2-way, Art.-Nr.
(LS/AL/ES) 2072 (xx)



Jung,
2-way, Art.-Nr.
(FD) 2072 TSM (xx)

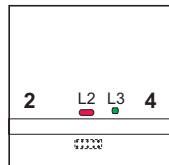


Berker,
1-way, Art.-Nr.
7516 10 o.1 (xx)

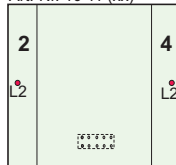


Push-button sensors operated on the LCN-TE2:

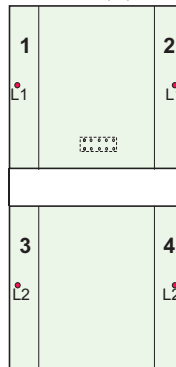
GIRA, 1-way,
with label space
Art.-Nr. 881(xx)



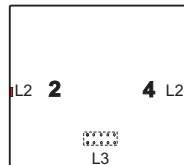
GIRA, push-B. sensor 2, 1-fach
without controller, with
label space
Art.-Nr. 10 11 (xx)



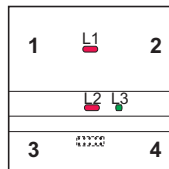
GIRA, push B. 2, 2-fach
without controller, with
label space
Art.-Nr. 10 12 (xx)



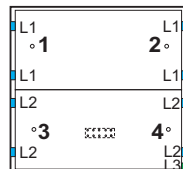
Berker,
1-way,
Art.-Nr. 7516 13 (xx)



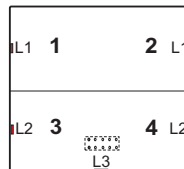
GIRA, 2-way,
with label space
Art.-Nr. 882 (xx)



GIRA, push B. sensor 2,
2-way, **without** controller
Art.-Nr. 20 12 (xx)

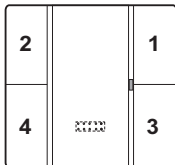


Berker,
2-way,
Art.-Nr. 7516 23 (xx)

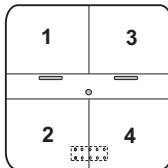


Push-button sensors operated on the LCN-TE2:

Siemens, push-button sensor ,
2-way, with 1LEDs
Art.-Nr. 5WG1 222-2AB (xx)



Siemens, push-button sensor ,
2-way, with 3LEDs
Art.-Nr. 5WG1 243-2AB (xx)



Technical data:

general data:

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

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!

Technical information and images are non binding. Changes are reserved.
Technical hotline: +49 5066 998844 or www.LCN.de