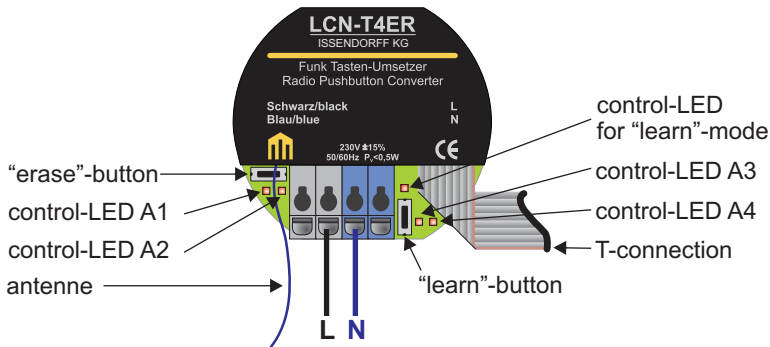


Wireless key-converter for EnOcean transmitters 4-way

The LCN-T4ER is a 4 channel key-converter for EnOcean transmitters, for connecting to all of the intelligent LCN modules manufactured in 1996 or after. It converts four key channels from the EnOcean transmitter (e.g. PEHA Easyclick) on the T-connection of the LCN modules.

In the table A, keys A1 to A4 are operated; on every key, the usual HIT-, LONG-, RELEASE-functions are available (= 3 commands on each key).

Over a learn button, 30 wireless keys can be learned into the LCN-T4ER.



Learning:

Wireless keys only have to be learnt once. To do this, the LCN-T4ER has a “learn” button under the flat cable, which has to be pressed for 0,5 seconds. The control LED’s for keys A1+A2 will then flash alternately.

If you have a 2-way push-button, press one of both push-buttons from the 1st rocker. This rocker has now been learned. Press the “learn button” often (3-4 presses, until the LED’s for A3+A4 flash. Now press one of both push-buttons on the 2nd rocker.

A further push-button can be learned, when you press the “learn button” a few times (3-5 presses), until the LED’s for A1+A2 flash.

By doing this, you can learn up to 30 push-buttons. For every push-button, you must keep proceeding in this order, that means for every push-button, the LCN-T4ER has to be switched into the “learn”-mode. The learn-mode will deactivate itself after 2 minutes.

Every rocker must be learned seperately; here it doesn’t matter if the push-button has only one or 2 rockers.

Attention:

If the LED’s 1+2 or 3+4 flash alternately in the “learn” mode, then the keys A1+A2 or A3+A4 will be carried out parallel in the module!

When learning, the sensitivety is restricted down to a couple of metres, so that only transmitters directly nearby have reception. In normal operation, over 10m are possible in buildings - typical ranges on page 3!

Erasing:

To erase all the learned transmitters, press the “erase” button for a minimum of 2 seconds. After that the LCN-T4ER goes straight into the “learn” mode, which is shown through the alternating flashes on the LED 1+2. Single push-buttons cannot be erased!

Range between transmitter and receiver:

The range of the wireless signal, depends strongly on the installation and the building. In line of sight, the range will be around 30m, in passages and halls up to 100m.

In buildings, the range depends on the used building materials:

- bricked walls/gas concrete typical » 20m through max. 3 walls
- plasterboard/wood (dry) typical » 30m through max. 5 walls
- steel reinf. concrete/steel reinf. ceilings typical » 10m through max. 1 wall

Basically, we recommend that you carry out a range test before installing! Try repositioning the antenne-wire if necessary.

Reduction on the range of the wireless signals:

- The antenne was shortened
- The antenne is rolled up or folded together
- Metal near the antenne
- No minimum distance to other EnOcean transmitters, control gear or interference like computers, audio or video devices, that work on similar frequencies.
The minimum distance should be at least 0,5m!

Technical data:**connection**

power supply: 230V AC $\pm 15\%$, 50/60Hz
terminals/wire type: screwless, solid max. 2,5mm² or fine wire with end sleeves max 1,5mm²
loop through current max. 16A

power consumption: 0,5W

input/key function: EnOcean wireless push-buttons, 4 channels, 30 push-buttons HIT/LONG/RELEASE table A, keys A1-A4

LCN-connection: T-connecting cable length approx. 130mm

installation

operating temperature: -10°C..+ 40°C
air humidity: max. 80% rel., non condensing
protection art: IP20 when flush mounted, only stationary installation according to VDE632, VDE637
dimensions: 50mm \varnothing x 22mm

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