

# LCN-RT

## IR transmitter with 4 keys

The LCN-RT is a miniaturized infrared (IR) hand-held transmitter. It offers four very robust membrane keys with acoustic acknowledgement of activation. Each key recognises the commands 'HIT', 'HOLD' and 'RELEASE', which means that up to 12 commands can be used per key level. At the user's request, up to four key levels can be chosen resulting in 48 commands.

The LCN-RT additionally offers three different set-up options: privileged control, locking systems and access-control systems. In doing so, a code which can be entered by the user is transmitted to the receiver along with their serial number.

### Field of application:

Due to its small size the LCN-RT is suitable for putting on a keyring or belt. In this way it becomes part of the daily routine as a substitute for conventional switch panels.

Using the LCN-RR receiver, all of the LCN modules on the bus system can be controlled with all of their functions- including default values for air-conditioning control etc.

In addition to this, locking systems can be operated with the remote-control transmitter and/or access control with personal identification can also be implemented.

### Hardware:

4 keys

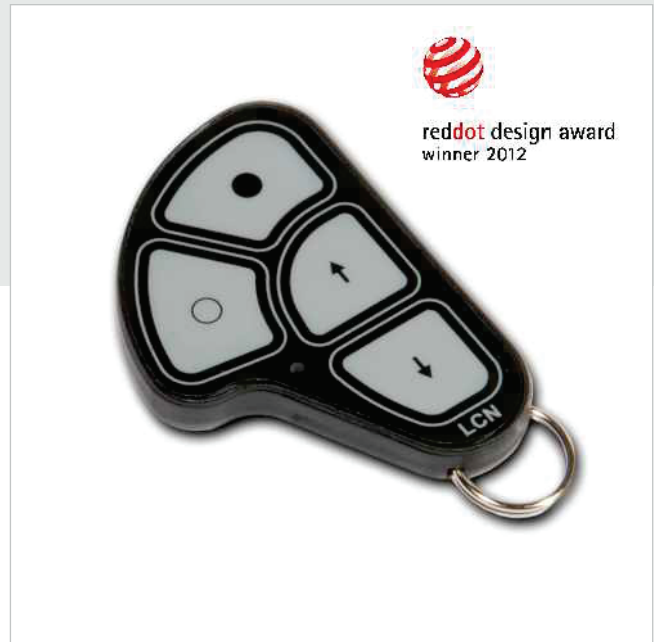
4 key levels

Acoustic signal device

### Note:

Any amount of transmitter/receiver pairs can be independently operated in the same room.

Also available in a left handed version. Please specify when ordering.



### Operating Programme:

Transfers 48Bit information (4x as much as conventional hand transmitters).

Each key recognises the commands, 'press', 'press & hold' and 'release'.

It supports four key fields so that up to 16 keys are available to the user.

With each operation it sends a code which can be programmed by the user. All of the bus modules can evaluate the code and permit or refuse the request.

Additionally, it sends a unique and permanently fixed serial number. This number can either be evaluated in the LCN modules for individual allotting of keys and/or can be forwarded to the PC for access control with personal identification.

A checksum is generated and sent with the transmission. It enables the addressee/receiver to recognise transmission interference and prevents false operation - an innovation in IR-remote-control technology.

The operating programme is fully compatible with the larger hand-held transmitter LCN-RT16. The IR-telegram contains a code label with which the addressee/receiver is able to recognise the kind of transmitter it was sent from.

All IR-telegrams in the LCN remote-control system are protected against false transfer by a checksum.

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## Technical Data:

Range:	at least 10 metres
Transmitting cone:	20° symmetric rotation
Keys:	4 x 4 key levels
Code:	four digits - user defined additionally serial number
Battery:	lithium cell Cr2032, lasts about 2 years

## General Details:

Operating temperature:	-10C to +40C
Humidity:	max. 80% rel., no condensation
Safety classification:	IP 20

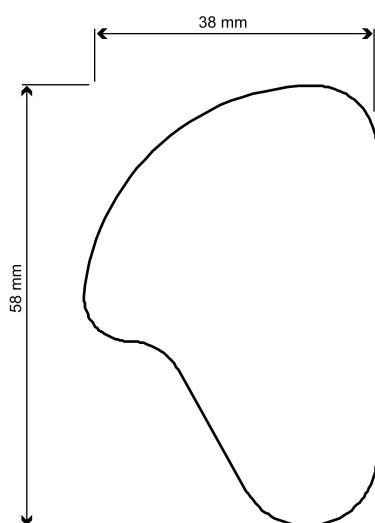


Batteries are not to dispose in household waste



## Dimensions:

(L x W x H): 58 mm x 38 mm x 9 mm



## Assembly:

on your keyring

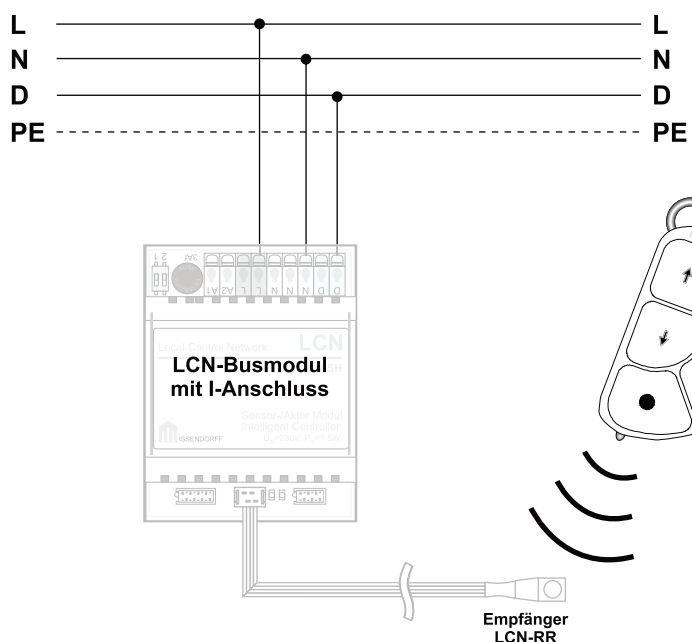
## Changing the key levels:

The 4 keys on the LCN-RT can be used in four different levels, so a total 16 keys are available.

- Level 1 (keys 1-4): Standard level
- Level 2 (keys 5-8): Press keys 2 & 4 simultaneously
- Level 3 (keys 9-12): Press keys 3 & 4 simultaneously
- Level 4 (keys 13-16): Press keys 1 & 3 simultaneously

A long beep confirms the successful level change. The transmitter signals are different (louder) when used key level 2, 3 or 4. Four seconds after pressing the last key it will return automatically to the standard level. This is being alerted by a short beep.

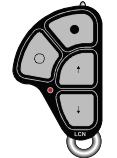
## Circuit Diagram:



## The keys

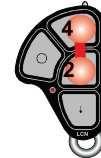


## Key level 1



Standard

## Key level 2



Keys 2&4

## Key level 3



Keys 3&4

## Key level 4



Keys 1&3