

LCN-RT

Hand Transmitter for IR Remote-Control and Access Control

Functional Specifications:

Operating Programme:

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

Each key recognises the commands, "hit", "hold" and "release".

It supports four key fields so that on the user's request there are up to 16 keys available.

With each operation it sends a code programmable by the user. All bus modules can evaluate the code and allow or turn down the request.

Additionally it sends a precise set serial number. This number can either be evaluated in the LCN modules for occupying individual 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 to recognise transmitting interferences and prevents false regulations - an innovation in the IR-remote-control technology.

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

Hardware equipment:

4 keys

4 key levels

Acoustic signal device



Description:

The LCN-RT is a miniaturized infrared (IR) hand transmitter. It offers four very robust foil keys and an acoustic acknowledgement.

Each key recognises the commands "hit", "hold" and "release", this means that up to 12 commands can be used per key level. On the user's request, up to four key levels can be chosen which results in 48 commands.

The LCN-RT additionally offers three different possibilities to build up, privileged control, locking system and access-control systems. In doing so, it transfers a code, which can be entered by the user, as well as its serial number.

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

Field of application:

Due of its small size the LCN-RT is suitable for putting it on your keyring or belt. So it will be your constant companion and replaces conventional switching.

With the LCN-RR receiver all devices connected to the LCN system can be controlled with all functions including default values for air-conditioning control.

Additionally, a locking system can be operated with the remote-control transmitter as well and/or access control with personal identification can be realized.

Note:

A variable amount of pairs of transmitters/receivers can be independently operated in the same room.

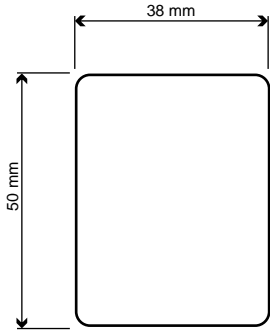
Also available in "left hand". Please specify when ordering.

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Measurements:

Case Dimensions (LxWxH): 50 mm x 38 mm x 9 mm



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

Assembly: on your keyring

Circuit Diagram

