

LCN-RT16

Power Remote-Control Transmitter with 16 keys

Functional Specifications:

Operating Programme:

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

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

Supports a second key level for later expansions.

With each operation it transmits 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 each transmission. It enables the addressee to recognise transmission errors and prevents false operation - an innovation in the IR-remote-control technology.

The operating programme is fully compatible with the smaller key ring transmitter type LCN-RT. The IR-telegram contains a characteristic with which the addressee is able to recognize the kind of transmitter it was sent from.



Description:

The LCN-RT16 is the most powerful commercially available IR hand transmitter world-wide. It offers 16 keys each can be individually labeled, 6 of these are formed as a rocker switches.

Each key recognises the commands "hit", "hold" and "release" this gives the addressee up to 48 possible commands (the commands are left in the individual bus modules in each room)

The LCN-RT16 additionally offers three different possibilities to build up, privileged control, locking systems 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:

With the power remote-control transmitter LCN-RT16 you can control your LCN bus system from a distance and in large rooms. For conference rooms, churches, as a far-reaching remote control and garage door opener with a range of more than 100m.

With the help of the LCN-RR receiver all devices being connected to the LCN system can be controlled in all functions via a remote-control transmitter.

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

Hardware equipment:

Two power levels

16 keys

Acoustic signal device

Display for power level and battery

Charger with automatic charging for built-in 9V battery

Key field individually letterable

Case for storage

Note:

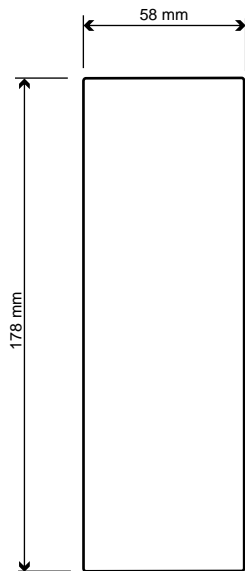
A variable amount of transmitter/receiver pairs can be independently operated in the same room.

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Measurements:

Case Dimensions (WxHxD): 58 mm x 178 mm x 34 mm



Technical Data:

Range:	more than 100 Meter / more than 30m
Power levels:	100% / 11%
Transmitter cone:	20° symmetric rotation
Keys:	16, individually letterable
Code:	four digits - user defined additionally, serial number
Supply:	9V clock battery
Charger:	230V~ ±10%, 50Hz plug PSU included in delivery

General Details:

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

Circuit Diagram

