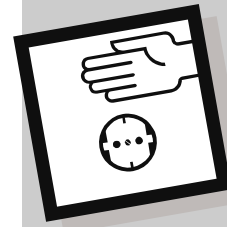
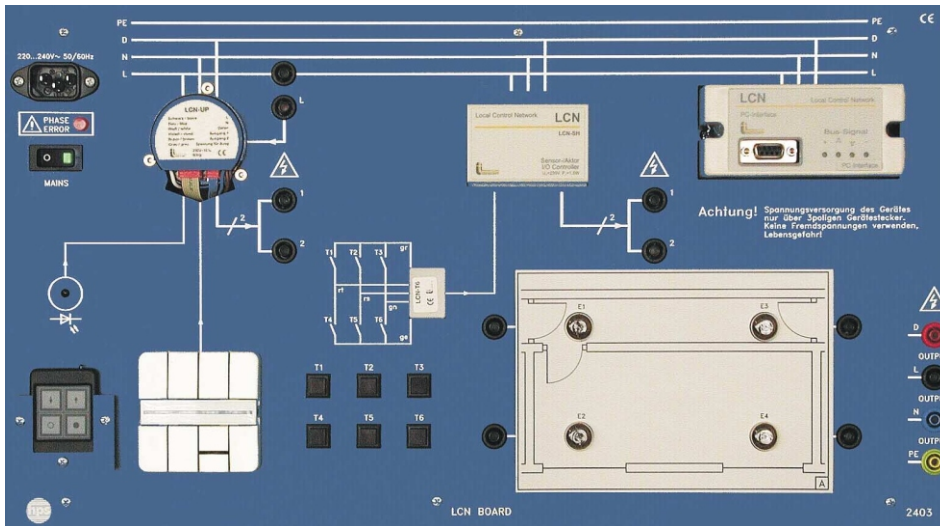


Installation Technology – LCN Installation Bus



LCN BOARD

Type 2403
Type 2403.2



Front view of the
LCN BOARD
Type 2403

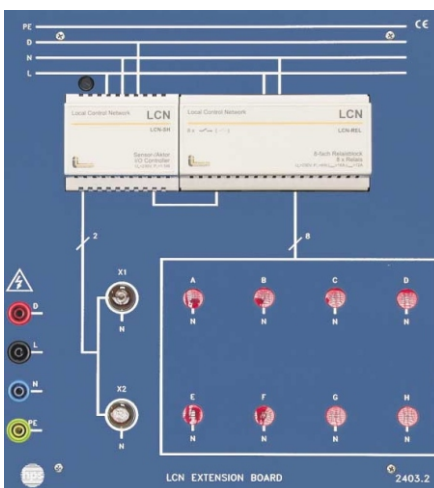
- Compact training unit for the LCN installation bus
- The unit contains all the important components, a 1-phase socket suffices
- PC-programmable through an integrated RS 232 interface
- Simple networking of several LCN BOARDS
- Extension of the system by linking conventional installation technology
- With detailed descriptions on the subject of LCN, the programming software and the hardware components
- Functional extension by software possible
- Can be used as a desktop unit, in a demonstration rack or as a mobile training unit in a case (box)

The LCN BOARD from hps SystemTechnik is a training unit which has been designed to conduct experiments in modern installation engineering especially in connection with the LCN bus (Local Control Network).

The unit contains all the important basic components which are necessary to set up experiments in connection with the LCN.

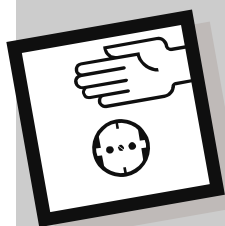
To set tasks, templates with printed layout plans of the installation technology can be fit onto the load simulation panel provided on the front of the LCN BOARD.

The LCN BOARD can be connected to a PC through the LCN-PC interface and programmed with the software LCN-P.



Front view of the
LCN EXTENSION BOARD
Type 2403.2

- Extension for LCN BOARD with 10 additional outputs with fix Loads:
 - 2 single dimming outputs
 - 8 with single controlled contacts



LCN BOARD

Type 2403
Type 2403.2

Components and function blocks of the LCN BOARD (Type 2403)

- **LCN-UP**
Combined sensor-actuator universal switching module for flush wall sockets
- **LCN-T6**
Cable set for the universal switching module LCN-SH, permanently wired, with six keys
- **LCN-SH**
Combined sensor-actuator module with switching and dimming functions
- **LCN-RR**
Infrared receiver module, connected with the LCN-UP
- **LCN-RT**
Programmable IR remote control with four keys for switching and dimming functions and for locking systems
- **LCN-PC**
Data interface RS 232 for connecting a PC
- **Load simulation panel**
With four lamps E1...E4 (230 V / 5 W), for simulating individual loads
- **6 pushbuttons (T1 ... T6)**
for programmed edge evaluation with the module LCN-T6
- **EIB sensor**
For programming up to eight keys and five LEDs

Components and function blocks of the LCN EXTENSION BOARD (Type 2403.2)

- **LCN-SH**
Combined sensor-actuator module with switching and dimming functions
- **LCN-REL**
Relais block with 8 Outputs (250 V / 16 A), contacts single controlled (ON / OFF / OVER)
- **Load simulation panel**
With ten lamps, for simulating individual loads

Installation Technology – LCN Installation Bus

Technical data of the LCN BOARD and the LCN EXTENSION BOARD

LCN BOARD (Type 2403)

Mains connection

- Mains voltage 220 ... 240 V AC, 50 ... 60 Hz; 30 VA

Accessories required

- Personal computer,
CPU: as of 80386 DX/30 MHz, RAM: 4 MB MS-DOS as of version 3.0, disk drive 3.5"/1.44 MB, mouse, monitor and graphic card (VGA), free serial interface
- RS 232 connecting lead, 1:1, 9-pin (Type 9102.50)
- Safety leads (4 mm)

Accessories included

- Templates with printed layout plans
- Programming software LCN-P
- Detailed descriptions of the LCN components and the programming software LCN-P
- Experiment manual

Extension possibilities

- LCN-W: PC centre with visualisation (max. 2 plans)
- LCN-WA: Access control for LCN-W
(in connection with several remote controls)
- LCN-WT: Timer for LCN-W

Dimensions / weights

- Board version (Type 2403): 532 x 297 x 131 mm (w x h x d); weight: 2.9 kg
- Box version, consisting of:
LCN BOARD (Type 2403) and Box (Type 2403.20);
580 x 450 x 155 mm; total weight: 5.7 kg

LCN EXTENSION BOARD (Type 2403.2)

Dimensions / weight

- 266 x 297 x 110 mm (w x h x d) / weight: approx. 1.9 kg

Common technical data

- The front panel of the Boards is made of 5 mm thick laminate, matt blue in colour. The individual components are integrated in the front panel. Circuit symbols and bus paths are printed in white on the front panel. The rear of the Boards is protected with a grey plastic cover which is shaped to allow the unit to be placed in an ergonomical position on the desktop.
- Connecting via 4 mm safety jacks (L, N, PE and data lines)

Technical changes without prior notice!