Product description

DHP – Handheld user panel

Version A02

Introduction DHP

DHP is a handheld user panel designed for easy and flexible access to Lindinvent's controllers and control units. Communication with a particular device requires that the correct application is selected in DHP.

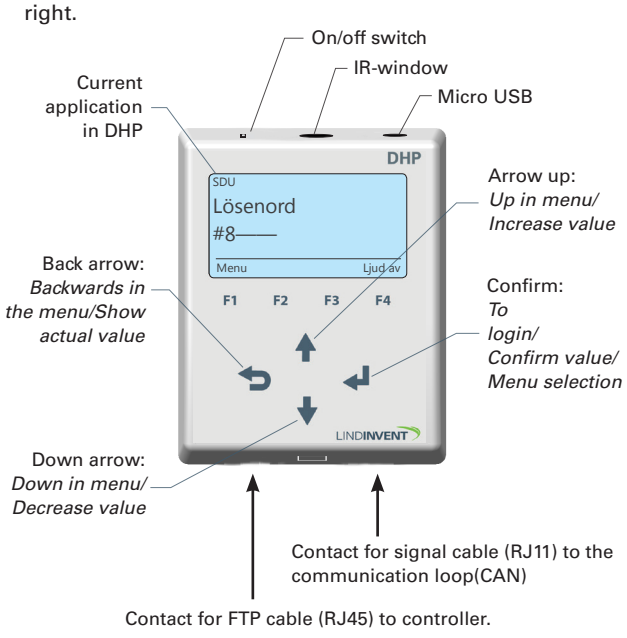
- Used primarily for accessing parameters and values from individual controllers.
- Can be used to access the communication loop as an administration tool.
- Can communicate with connected control unit either wirelessly via IR or wired via signal cable.
- Comes with a protective bag and 4 AAA batteries (Not rechargeable) and a 3-meter FTP cable (RJ45).

Function

DHP is equiped, through its software version, with a number of different application options. Through the menu in DHP, one of the applications is initiated. The keypad is used to navigate through sub menus to the respective application. The unit's display gives guidance and shows the current measurement or status of read parameters in the connected controller.

Performance and software

Immediately after starting up DHP, via the switch, the software version and main menu with a list of applications are presented; see the heading *Areas of application* on the right.



Screenshot in DHP when logging in after selecting application SDU.

DHP applications from version 2.0

Here to the right are briefly presented the applications included from software version DHP 2.0; See DHP's User Information for a more detailed instruction regarding the handling of DHP at each application.

DHP - Handheld user panel with support for both wireless and wired connection.

Active diffuser [Accessable via IR]

ILCAT
For access to an active supply air diffuser using the IR-port. For access via IR to set/change Node-ID.

ILCAT NodeID-Set
For access via the IR-port to set/change Node-ID.

Gateway NCE [Accessable via IR]

FakeTerminal
IR to NCE: For access to NCE. DHP acts as a terminal program with a menu system similar to that in the application SDU below.

Other controllers [IR or cable]

- Applications for communication:

FakeSDU [IR-communication]
For access to controllers using the IR port. (Application ILCAT has to be used for IR-communication with an active diffuser.)

Serial SDU (Accessible from DHP version A02 with hardware DH02C)
For access to a set of controllers using the FTP cable (RJ45). The Controllers are SPL, CFL, FBL, DPL, FLL, LAFL, BCC, BCX, RCX och LCX.

SDU
For access to a set of controllers using the FTP cable (RJ45). The Controllers are SPC, FBC, DPC, FLC, LAFC, LCC, RCC and LCR, as well as control units SBT, CBFS and SBR.

Communication loop [RJ11]

Note: Access requires a signal cable from contact RJ11 on DHP and the special adapter RJ11/CAN.

A set of applications for administration of all nodes on the communication loop:

NodeList
For access to the communication loop in order to list all units (nodes) on the connected loop and to see ongoing traffic. The application can also be used to set a temporary node ID to see if the unit disappears or appears in the list of nodes. The node list also indicates whether double Node IDs occur.

RemoteSDU
For indirect access to controllers, that support RemoteSDU.

Symbol editor
For access to the communication loop to be able to administer the complete set of "Symbols" (values) occurring in all units/nodes. You can perform individual read or write operations to a selected node or perform mass read/write of specific values.

NodeCheck
Only internal Lindinvent.

Product description

DHP – Handheld user panel

Version A02

Technical specifications

General

Dimension
103x82x30 mm (LxWxH)

Net weight
0.18 kg (Including batteries)

Material
ABS encapsulation

Display
LCD technology: FSTN
Resolution: 128x64 pixels
Backlit with white LEDs
Screen size: 58x29.5 mm

Colour
RAL 9003

IP class
Encapsulation complies with IP20

Electrical system

Supply voltage
Battery operation via 4 x AAA

Output
2.5 VA

Power consumption battery operation
Up to 50 mA

CE marking
Complies with EMC and the Low Voltage Directive

Connections

1 x RJ45 for wired connection to controller
1 x RJ11 for connection of a signal cable using a special adapter RJ11/CAN (The cable and the adapter needs to be ordered separately)
1 x Micro-USB for upgrading software
1 x window for IR link

Example of actual values in communication with an active supply air diffuser via application in ILCAT.

Accessories (Have to be ordered separately)

- Signal cable (length 3m) with adapter RJ11/CAN for connection to a communication loop (CAN).
- Cable (Micro-USB) for upgrading of software via computer.

Additional product documentation DHP

Table 1: Additional documentation for DHP can be obtained via links on the product's website under Products at www.lindinvent.se

Document	Available	Not available	Comments
Installation Instruction		●	See the User information.
Start-up instruction	●		Instructions on how to upgrade the DHP software.
Maintenance instruction		●	Regarded as maintenance-free.
External connection diagram		●	Not applicable.
Environmental product declaration	●		Assessed by Byggvarubedömningen.
User information		●	Guidance on connection and operation
Modbus list		●	Not applicable
AMA text		●	Not applicable

Product documentation can be downloaded via www.lindinvent.se/produkter/

Contact
www.lindinvent.se
Tel: 046–15 85 50

Lindinvent – Smarter indoor climate. Greener buildings.

The company offers products and systems for controlling ventilation, lighting, solar shading and local utilization. Equipment and climate solutions are being developed for offices, schools, hospitals, laboratories and similar working environments. Lindinvent's systems work together to provide high indoor comfort and the lowest possible energy use.