Version A02

DHP HANDHELD USER PANEL

INTRODUCTION

DHP is a handheld user panel designed for easy and flexible access to Lindinvent's controllers and control units. DHP offers several uses where an initial selection of the application in DHP enables communication with a specific unit.

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

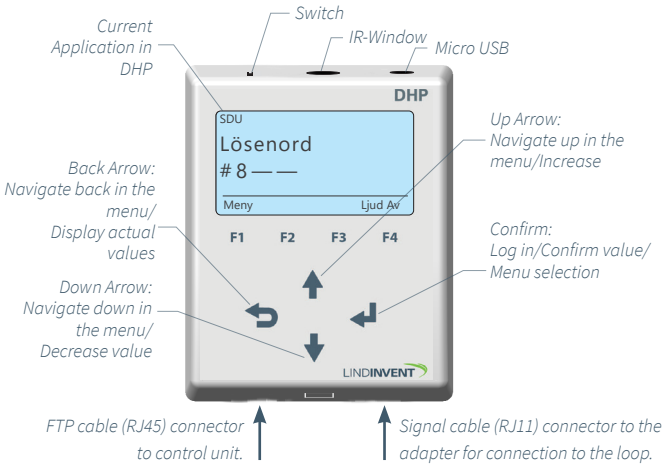
FUNCTION

- Primarily used for accessing parameters and values from individual control units.
- Can be used for accessing the communication loop as an administration tool.
- Can communicate with a connected control unit either wirelessly via IR or wired via signal cable.
- Supplied with a protective case, 4 AAA batteries (non-rechargeable), and a 3m FTP cable (RJ45).

By selecting from the menu in DHP, one of the applications supported by the DHP software version is initiated. Navigation in the menu system is done via the keypad, according to the explanations for the screen image below. The unit's display guides and shows input or status of the read parameters in the connected control unit or regulator.

DESIGN AND SOFTWARE

Immediately after starting up DHP, via the power switch, the software version and the main menu with the list of applications are presented.



Screenshot in DHP at Login After Selecting Application SDU in DHP

APPLICATIONS

Presented to the right are brief descriptions of the applications included from software version DHP 2.0; see DHP's User Information for more detailed instructions on handling DHP for each application.

TECHNICAL SPECIFICATIONS

General

Dimensions: 103x82x30 mm (LxWxH)

Net weight: 0.18 kg, including batteries

Material: Housing in styrene

Display:

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

Color: RAL 9003

IP rating: Housing holds IP20

Electrical System

Power Supply:
IR: Battery operation via 4 AAA batteries
Wired: Via connected control unit

Power consumption in battery operation:
Up to 50 mA

Power: 2,5 VA.

CE marking: Complies with EMC and low voltage directive.

Connections

- 1 RJ45 for connection to control unit via FTP cable
- 1 RJ11 for connection to CAN via signal cable and adapter
- 1 Micro-USB for upgrading the software in DHP
- 1 window for IR link

Accessories (Not Included)

- Cable (length 3m) with adapter RJ11/CAN for connection to communication loop (CAN).
- Cable (Micro-USB) for upgrading the software in DHP via a computer; software available for download from the DHP product page on www.lindinvent.se.

LINDINVENT

APPLICATIONS IN DHP AND USAGE AREAS:

Active Units (via IR) - For access to TTC and VTD

ILCAT

IR to active units: For wireless access to active units via IR.

ILCAT NodeID-Set

IR to active units: For access via IR to set/change Node ID on active units.

Gateway NCE - For access to Gateway NCE:

FakeTerminal

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

Other Control Units [IR or Wired] - Regulators and other control units (Not TTC and VTD)

FakeSDU (IR to control unit)

For access to regulators and control units with IR port

SerialSDU (Wired to control unit)

Available from DHP version A02 with hardware DH02C. For communication via FTP cable (RJ45) to regulators SPL, CFL, FBL, DPL, FLL, LAFL, BCC, RCX, LCX, BCX.

SDU (Wired to older control units)

For communication via FTP cable (RJ45) to regulators SPC, FBC, DPC, FLC, LAFC, LCC, RCC and LCR as well as control unit SBT, CBFS, and SBR.

Communication Loop (RJ11) - Access via connection to CAN loop

RemoteSDU

For communication via cable (RJ11) to the communication loop (CAN) for access to regulators and control units that support RemoteSDU.

NodeList

Cable (with adapter RJ11/CAN) to communication loop: To list all CAN units (nodes) on the current loop and to view ongoing traffic to individual units and on the entire loop. The application can also be used to set a temporary node reference (Node ID) to see if the unit disappears or appears in the list of nodes. NodeList also indicates if duplicate Node IDs occur.

Symbol Editor

Cable (with adapter RJ11/CAN) to communication loop: To administer all existing “Symbols” (values) in all units via the CAN loop. You can do individual readings/writings on a selected unit or perform mass readings/writings of individual values.

NodeCheck

Internal to Lindinvent only.

SUPPLEMENTARY PRODUCT DOCUMENTATION

Documents can be accessed at www.lindinvent.com

Document	Comment
Installation Instructions	Refer to the product description and user information.
Commissioning Instructions	Software update for DHP; see also the user information below.
Maintenance Instructions	Considered maintenance-free.
Environmental Product Declaration	Assessed by Byggvarubedömningen and Sundahus in Sweden.
User Information	Guidance for connection and handling.