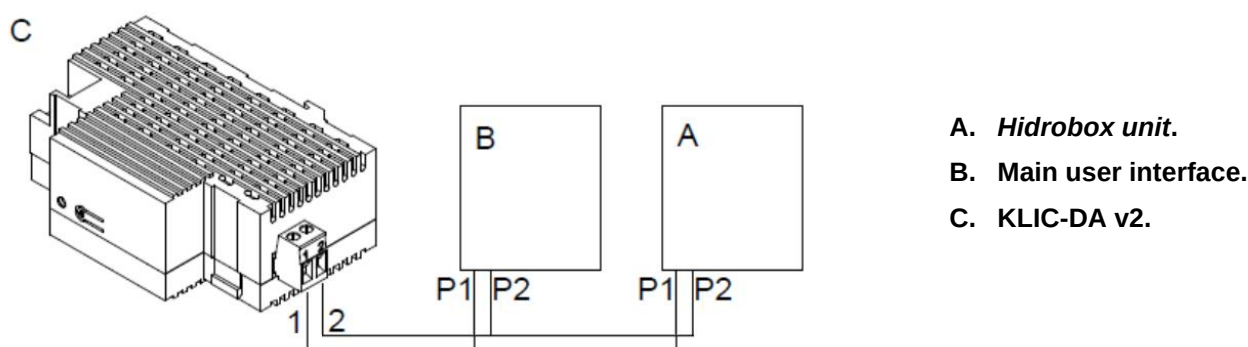


INTRODUCTION

An Altherma system consists of a series of components (an outdoor unit, a hydrokit, an indoor unit, user interfaces, etc.) and the specific communication bus 'P1/P2', which allows the user interfaces (typically, one functioning as the main control and another as additional control) to communicate with each other and with the Altherma system. Altherma units can have a split indoor unit (hydrokit and indoor unit, known as a bivalent system) or be a single compact unit (monobloc).

KLIC-DA is designed to replace the additional interface mentioned, and therefore to communicate only with the main interface, not directly with the Altherma system. Additionally, it is possible to control not only LT (Low Temperature) units but also HT (High Temperature) units may be compatible.

INSTALLATION SCHEME



REQUIRED SETTINGS IN THE ALTHERMA SYSTEM MAIN USER INTERFACE

Altherma systems feature three climate control methods:

- Control of the leaving water temperature (LWT),
- Control through a user interface configured as a thermostat,
- Control through an external thermostat (TH).

KLIC-DA v2 application program is only compatible with Altherma LT systems configured for a LWT control, and with only one climate zone (Altherma LT systems permit up to two climate zones with independent setpoint temperatures). Additionally, the main user control needs to be configured as "At Unit" under "User Interface Location".

HOW DO I MAKE THESE SETTINGS ON THE MAIN USER INTERFACE OF THE ALTHERMA SYSTEM?

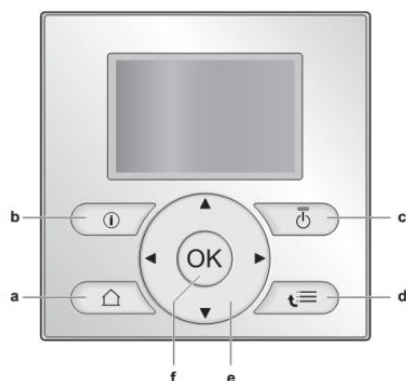
To perform the required adjustments, it is necessary to access the installer menu following the instructions in your Altherma system manual.

It should be noted that the configuration procedure varies depending on the model of the wired controller (user interface) accompanying the unit.:

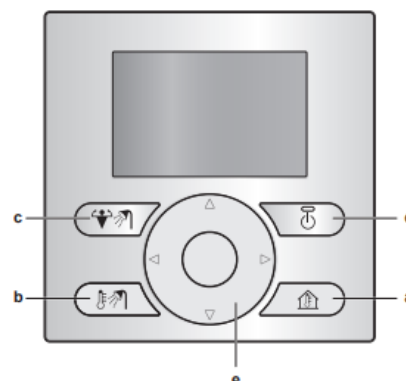
- Altherma System: If the main user interface is **EKRUCAL** or **EKRUCBL**, these adjustments are made directly from the user interface.
- Altherma 3 System: If the main user interface is **EKRUDAS**, these adjustments are made directly from the user interface. If the user interface is **BRC1HHD** (Madoka), the configuration should be done from the integrated user panel (main user interface) on the unit.

For your convenience, the excerpts corresponding to the different manuals are attached below:

EKRUCAL/EKRUCBL



EKRUDAS



USER SETTING MENU

[1] Set time/date
Date
Time
Daylight Saving Time
Clock type
[2] Holiday
Holiday
Holiday mode Home
From
Until
Use day schedule
[3] Quiet mode
[4] Operation mode
[5] Select schedules
Room temperature
LWT main
LWT additional
Tank temperature
[6] Information
Sensor information
Energy metering
Error handling
User permission level
Actuators
Operation modes
Running hours
Version

To set the user permission level to Installer

- 1 Set the user permission level to Adv. end user.
- 2 Go to [6.4]: > Information > User permission level.
- 3 Press for more than 4 seconds.
Result: is displayed on the home pages.
- 4 If you do NOT press any button for more than 1 hour or press again for more than 4 seconds, the installer permission level switches back to End user.

To set the user permission level to Advanced end user

- 1 Go to the main menu or any of its submenus: .
- 2 Press for more than 4 seconds.

Result: The user permission level switches to Adv. end user. Additional information is displayed and "+" is added to the menu title. The user permission level will stay in Adv. end user until set otherwise.

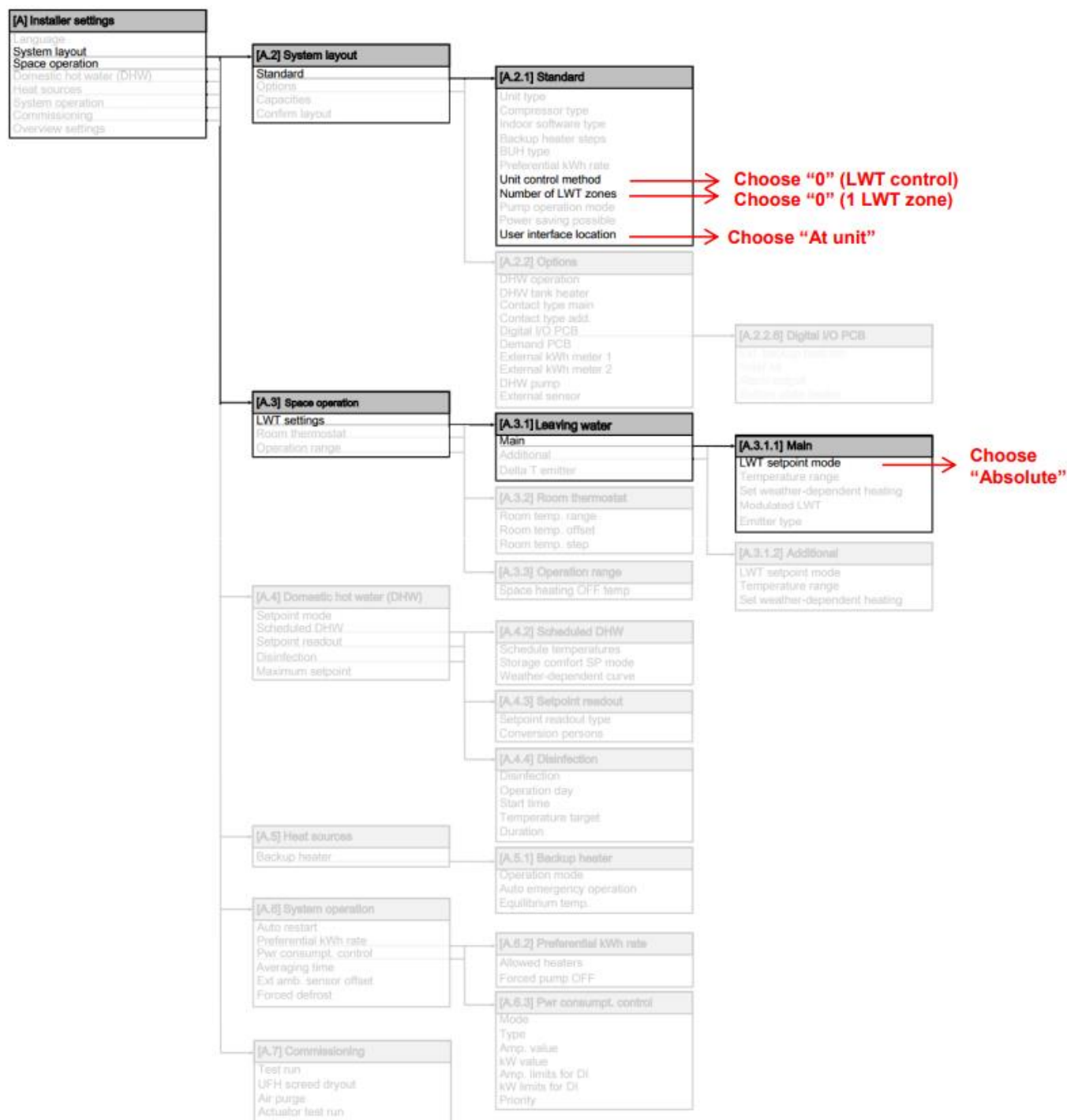
To set the user permission level to End user

- 1 Press for more than 4 seconds.

Result: The user permission level switches to End user. The user interface will return to the default home screen.

Then, proceed to make the following adjustments from the installer menu:

INSTALLER SETTINGS MENU

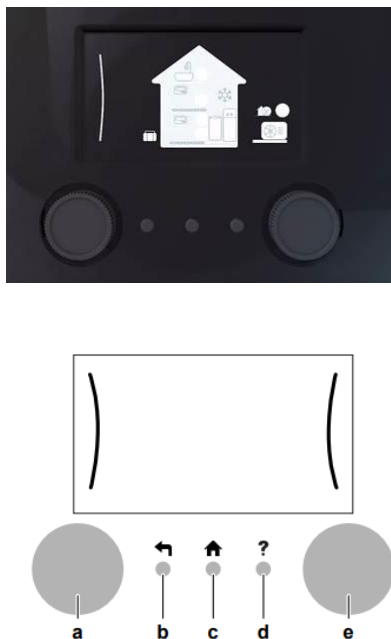


BRC1HHD (Madoka)

The BRC1HHD (Madoka) must be removed to install the KLIC-DA gateway, as two secondary controllers cannot coexist. Additionally, the Madoka must be removed to make the necessary adjustments on the user panel.

The settings are adjusted on the integrated user panel of the unit:

Dials and buttons:



Item	Description
a Left dial	The LCD shows an arc on the left side of the display when you can use the left dial. ◀: Turn, then press the left dial. Navigate through the menu structure. ◀: Turn the left dial. Choose a menu item. ◀: Press the left dial. Confirm your choice or go to a submenu.
b Back button	↶: Press to go back 1 step in the menu structure.
c Home button	🏠: Press to go back to the home screen.
d Help button	?: Press to show a help text related to the current page (if available).
e Right dial	The LCD shows an arc on the right side of the display when you can use the right dial. ▶: Turn, then press the right dial. Change a value or setting, shown at the right side of the screen. ▶: Turn the right dial. Navigate through the possible values and settings. ▶: Press the right dial. Confirm your choice and go to the next menu item.

USER SETTING MENU

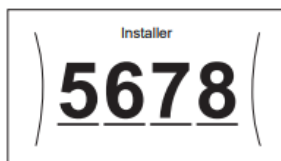
To change the user permission level

You can change the user permission level as follows:

1	Go to [B]: User profile.	
		
2	Enter the applicable pin code for the user permission level.	—
	Browse through the list of digits and change the selected digit.	
	Move the cursor from left to right.	
	Confirm the pin code and proceed.	

Installer pin code

The Installer pin code is **5678**. Additional menu items and installer settings are now available.



Advanced user pin code

The Advanced user pin code is **1234**. Additional menu items for the user are now visible.

User pin code

The User pin code is **0000**.

Note: To access the menu, you must press the left dial.

[1] Room Schedule Heating schedule (*) Cooling schedule Antifrost Setpoint range Room sensor offset Room comfort setpoint	[2] Main zone Schedule Heating schedule (*) Cooling schedule Setpoint mode Heating WD curve (*) Cooling WD curve WD curve type	[3] Additional zone Schedule Heating schedule (*) Cooling schedule Setpoint mode Heating WD curve (*) Cooling WD curve WD curve type
[4] Space heating/cooling Operation mode (*) Operation mode schedule	[5] Tank Powerful operation Comfort setpoint Eco setpoint Reheat setpoint Schedule WD curve WD curve type	[7] User settings Language Time/date Holiday Quiet Electricity price Gas price
[8] Information Energy data Malfunction history Dealer information Sensors Actuators Operation modes About Connection status Running hours	[B] User profile [C] Operation Space heating/cooling Tank	

Then, proceed to make the following adjustments from the installer menu:

INSTALLER SETTINGS MENU

