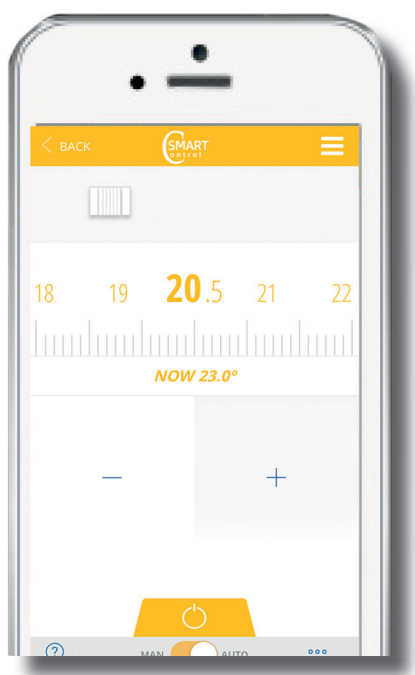


Instruction Manual - D-Basic Thermostat

Smart heating-
- Save energy



<https://app.smart-control.eu>



THESE INSTRUCTIONS SHOULD BE READ CAREFULLY AND
RETAINED FOR FUTURE REFERENCE.
BE SURE TO OBSERVE ALL LABELS AND WARNINGS ON
THE APPLIANCE.

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Subject to errors and technical amendments. Dimensions without guarantee!

1.0 Operating the devices via an app

1.1 First steps

- a) Download the app. Follow the further instructions
- b) You can find a detailed video tutorial of the app at www.electric-smart-heater.com

Download APP:



2. Button function

The device has two buttons:

“ + ” button : allows you to increase the set temperature

“ - ” button : allows to decrease the set temperature



2. Normal modes of operation

2.1 Device not connected to WiFi

If the device is not connected, the normal operating modes are: OFF mode and Manual mode. Switching between both modes is done as follows:

OFF to Manual mode: short press “+” or “-” button.

Manual mode to OFF: short press both “+” and “-” buttons.

NOTE: If the displays is off, touch a button first to turn it on before other action.

2.1.1 OFF mode

Device shutdown mode. Two lines will be displayed on the screen , as shown



2.1.2 Manual Mode

Manual/basic mode of the device in which a temperature between 5°C-30°C is set . To modify the temperature, use the “ + ” and “ - ” keys , increasing/decreasing in steps of 1 °C. The default manual temperature is 19°C.

The set point temperature will be displayed on the device.



2.2 Device connected to WiFi

The normal operating modes are: **OFF mode** , **Manual mode** , **Auto mode** and **AutoModified mode**.

The change between modes is done in the same way as the non-connected device, with the exception that the Auto mode cannot be activated locally, but it is necessary to use the application.

OFF to Manual mode:	short press “+” or “-” button.
Manual mode to OFF:	short press both “+” and “-” buttons.
Auto to AutoModified mode:	short press “+” or “-” button.
Auto mode to OFF:	short press both “+” and “-” buttons.
Manual to Auto mode or OFF to Auto mode:	from the app

NOTE: If the displays is off, touch a button first to turn it on before other action.

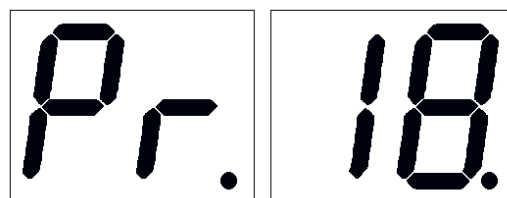
2.2.1 Auto Mode

Auto/Programming mode of the device in which a weekly hourly programming is followed with three selectable temperatures:

comfort,
eco and
antifreeze.

You will have the possibility of programming in full hours from the application.

The device will show the text “ Pr” alternating with the established temperature



2.2.2 Auto-Modified Mode

Auto-Modified Mode is a special mode within the Auto mode, in which a different setpoint temperature can be set from the one established in the programming until a period change occurs in the programming. To access this mode it will be necessary to press the “+” or “-” keys to increase or decrease the set temperature.

The device will show the text “Pc” alternating with the set temperature .



3. Settings

All the adjustments of this device will be made through the application (App), they cannot be made locally.

3.1 Setting the programming temperatures

The configuration of the programming temperatures allows to set the value of the comfort, eco and antifreeze temperatures. The programming temperatures must have a difference of at least 1°C between them. The default values will be:

Comfort temperature: 19°C.
Eco temperature: 17°C.
Antifreeze temperature: 5°C

3.2 Programming configuration

The configuration of the programming of the device in Auto mode will be carried out with a resolution of complete hours, choosing temperature periods between: comfort, eco or antifreeze.

3.3 Configuring the units

Change units between Celsius and Fahrenheit. The default value is Celsius.



3.4 Control mode setting

The default value for control type is PID15. The following types are available to modify the control mode:

Hysteresis 0.25 (H0.25). - It means, at a temperature difference between 0,25°C the Thermostat will be active
Hysteresis 0.35 (H0.35).
Hysteresis 0.50 (H0.50).
Hysteresis 0.75 (H0.75).
PID 15 min - It means, at a time difference between 15 min the Thermostat will be active and measures.
PID 30 min

3.5 Window mode settings

Window mode enable/disable is allowed. If this functionality is enabled, the load is automatically turned off when a sudden drop in the measured room temperature is detected. By default it is disabled.

3.6 Setting the Smart Start

Enabling/disabling smart start (true radiant) is allowed. This functionality will be used only with Auto mode. If enabled , it makes it possible for the device to be turned on earlier to reach the setpoint temperature established in the next period of operation. By default it is disabled.

3.7 Screen On Time Setting

Screen on time setting is allowed. In case a time is set, the screen will turn on whenever there is a local press of the buttons. The default value is 30 seconds, but there are different values available:

- 10 seconds: the screen will remain on for 10 seconds after the last press.
- 20 seconds: the screen will remain on for 20 seconds after the last press.
- 30 seconds: the screen will remain on for 30 seconds after the last press.
- Always: The screen will always be on.

3.8 Setting the screen brightness

It is possible to modify the brightness of the screen, thus allowing the user to adjust the intensity to their needs. The default value is 100%, but there are different values available:

- Brightness at 10%.
- Brightness at 50%.
- Brightness at 100%



4. Error display

If an error occurs in the device, it stops working correctly and charging is immediately disabled. An error message will appear on the screen, Figure 9, regardless of the operating mode in which the device is. Until the error disappears, the device will not work properly.

The following malfunctions are available in this device.

- Load short circuit error: **Err 1**.
- error due to overtemperature: **Err 4**.
- Short-circuit error in the room temperature probe: **SC**.
- Open circuit error in the room temperature probe: **OC**.



5. Additional functionalities

5.1 Linking the device to WiFi

“+” key must be held down for 3 seconds. Thus, the Wi-Fi configuration process begins, which will be available for 5 minutes. In this state, the device screen will be flashing and the text „AP“ will appear. After that time, it will be necessary to restart the process in order to configure Wi-Fi. The process has to be continued with the phone application (App).



When the device is connected a linking point appears in the lower right part of the screen. This is present in all the screens.

The device has three different connection states that are indicated by the lower right point of the screen in the form:



Device not connected.	The dot does not appear on the screen.
Device connected.	Icon flashing every 2 seconds.
Device lost.	Icon flashing every 0.5 seconds.

5.2 Away functionality (connected device)

The away/out functionality allows you to automatically lower the temperature of the device by X degrees (2°C by default), defined from the application (App), when the user is not in the home.

This mode will exit when the user returns to the home or when a key on the device is pressed locally, in this case the functionality will be disabled for two hours.

5.3 reset

Locally you have the possibility of resetting all the settings of the device, including the configuration of the Wi-Fi network. This reset will return the device settings to factory values.

To carry out the reset, it is necessary to press the “+” and “-” keys simultaneously for 10 seconds, the message “rE” will appear on the screen and it will be necessary to confirm with the “+” key. If you do not want to perform the reset, you can press the “-” key to exit or wait 10 seconds of inactivity, which returns the device to its normal operating mode.



6. Frequent problems

When registering the device, the process is not completed

Verify that the discovery of the equipment has started correctly by pressing the “+” button for a few seconds as indicated in the app.

Check if the link icon is blinking every 0.5 seconds on the device screen. In this case, the configuration of a network has been sent correctly, but the following problems may occur:

- The network and/or password sent are not correct. Repeat the registration process, carefully checking that the network and password are correct. It is important to keep upper and lower case letters as well as other characters.
- The equipment does not have access to the network. It is possible that the network and password are correct but the WiFi network is not strong enough to reach the computer. Try moving the computer closer to the router or try another network closer to the router.

When registering the device, the app does not display a list of WiFi networks for me to select and configure the heater with it .

This list only appears on Android phones and only if you have previously granted the application the precise location permission it requests. If you have denied it, go to your mobile device's Settings and in the app's options, grant the precise location permission and repeat the process.

If it is an iOS device, it is not possible to list the list of WiFi networks due to limitations of this operating system. You will have to enter the network by hand, please make sure you enter the network and its password correctly.

When registering the device in AP mode, it does not find the Heater_XXXX network

In this mode, you need to access the WiFi settings on your mobile device to search for a Heater_XXXX network and connect to it. If the network does not appear, make sure that you have correctly started the discovery of the equipment by pressing the “+” button for a few seconds as indicated by the app. If this has already been done, the text “AP” appears on the screen while blinking. In this case refresh the list of networks on the mobile device until it appears. You can also disable and enable WiFi on the mobile device to refresh the network list.

When registering the device in AP mode, I connect to the Heater_XXXX network, but the application tells me that I am not connected

When connecting to the Heater_XXX network, some mobile devices may detect that it is not a data network and ask if the connection should be maintained. In these cases, the answer should be yes. Check that after connecting to the Heater_XXX network you are not connected via data, i.e. that only the WiFi icon appears on the mobile device.

If the problem persists, delete the Heater_XXXX network from the list of saved networks and repeat the process, making sure to say that the connection to Heater_XXXX is maintained.

My smartphone won't let me connect to Heater_XXXX network

Delete the Heater_XXXX network from the list of saved networks on your mobile device and try again. If it asks if you want to stay connected even if you have no data, answer yes. If it asks for any permission to access local networks, answer yes.

The device appears to me as lost in the app and I can only access to the records

Go to the device screen and check the link icon:

If the link icon is **blinking every 0.5seconds**, check if the network it was configured with is still the same.

1. If the network has been changed go in the application to Homes → Home name → Heater → Configure WiFi and follow the reconfiguration process of the equipment.
2. If the network has not been changed, check that you have internet access and verify that there is sufficient network coverage in the radiator area. If not, select another network with

If the link icon is **blinking every 2 seconds**. The radiator is apparently configured correctly. Make sure that it is the same radiator that appears missing in the app and if so, unplug it for 5 seconds and plug it in again.

If there is **no link icon**. The radiator is not configured, the configuration may have been deleted or reset. Go in the app to Homes → Home name → Heater → Configure WiFi and follow the reconfiguration process of the equipment.