



Installation Manual

DYSTRYBUTOR OF SALUS CONTROLS:
QL CONTROLS Sp. z o.o., Sp. k.
Rolna 4,
43-262 Kobielice,
Poland

Importer:
SALUS Controls plc
Salus House, Dodworth Business Park
Whinby Road, Barnsley S75 3SP,
United Kingdom

Computime
ISO 9001

www.salus-controls.eu



SALUS Controls is a member of the Computime Group
Maintaining a policy of continuous product development SALUS Controls plc reserve the right to change specification, design and materials of products listed in this brochure without prior notice.

Introduction

The iT500 controls your heating and hot water from anywhere via your smartphone or laptop. Your pc and laptop connects to the system using existing broadband connection. The system is wireless so it's easy to install.

FEATURES:

- Access and control your heating and hot water via the internet
- Compatible with your PC or smartphone - they connect to the system using your existing broadband connection
- Touch sensor panel
- The internal system uses 868 MHz for robust communication
- 3 system configurations:
 - One central heating zone only
 - Two central heating zones (optional iT300 remote sensor required for second zone)
 - One central heating zone plus hot water
- ECO & HOLIDAY mode
- Free iT500 Plus app to download

Box contains:

- iT500TR thermostat
- iT500RX receiver (a wireless receiver that will connect to your boiler). It is suitable for combination and system boiler.
- iT500 Internet gateway - connects via a short cable to your broadband internet router. The gateway enables internet access and control of your system.

Product compliance

This product complies with the following EU Directives: Electromagnetic Compatibility 2014/30/EU, Low Voltage Directive 2014/35/EU, Directive 2014/53/EU and 2011/65/EU. Full information is available on the website www.saluslegal.com

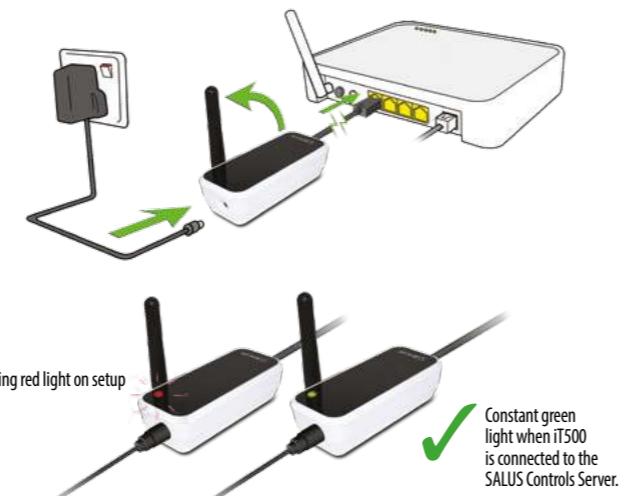
Safety information

Use in accordance with national and EU regulations. Use the device only as intended, keeping it in a dry condition. The product is for indoor use only. Installation must be carried out by a qualified person in accordance with national and EU regulations.

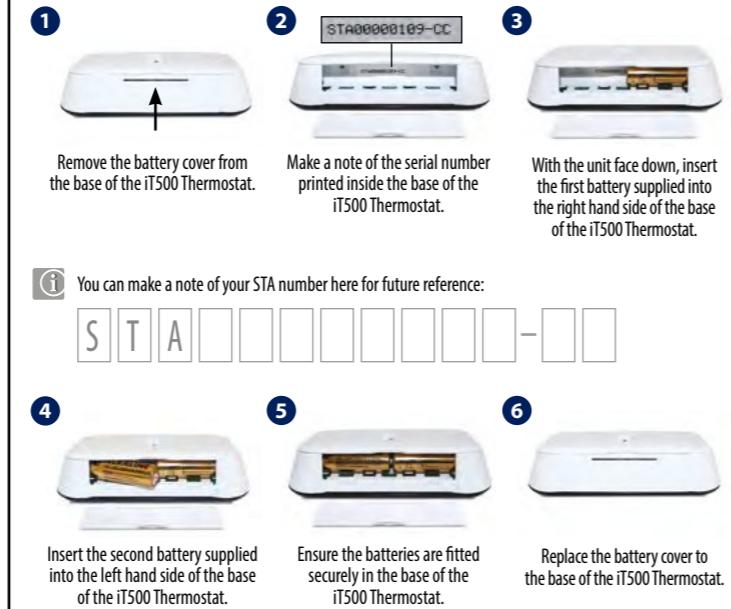
Technical specification

Supply:	iT500 - 2 x AA Batteries iT300 - 2 x AAA Batteries iT500RX - 230 V AC 50Hz
Rating Max:	CH1: 16 A resistive, 5 A inductive CH2: 5 A resistive, 3 A inductive
Temperature range:	5°C - 35°C (in step 0,5°C)
Frost protection temperature:	5°C - 9°C (in step 0,5°C)
Hysteresis:	1°C
Storage temperature:	-20°C to 60°C
Protection degree IP:	IP 30

Connecting the gateway to your existing router



Inserting the batteries in the iT500 Thermostat



iT500 Plus application

Download the iT500 Plus app, create an account and register your device. Follow the on screen instructions to complete all the steps.



Features available only on the App:

- HOLIDAY mode
- Antifrost temperature changing
- Energy saving mode (set the lowest schedule temp.)
- Simplified schedule setup

You can add a few iT500 thermostat to one account.



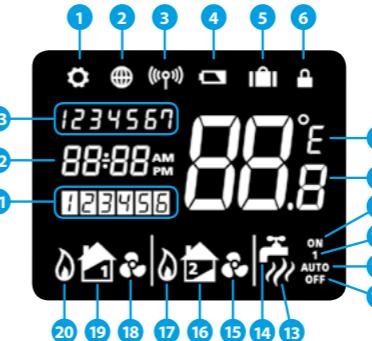
Easy to use interface.

Simple to modify heating schedules.
Choose from ALL, 5/2 or INDIVIDUAL days.

With walk through tutorials on how to use the App.

LCD icon description

1. Settings indicator
2. Internet indicator
3. RF signal indicator
4. Low battery status
5. Holiday indicator
6. Button lock indicator
7. Temperature unit
8. Temperature indicator
9. Hot water heating in continuous mode
10. Hot water override
11. Automatic mode
12. Antifrost mode
13. Hot water heating
14. Hot water indicator
15. Cooling mode indicator (zone 2)
16. Zone 2 indicator
17. Heat mode indicator (zone 2)
18. Cooling mode indicator (zone 1)
19. Zone 1 indicator
20. Heat mode indicator (zone 1)
21. Program number indicator
22. Clock display
23. Day of the week

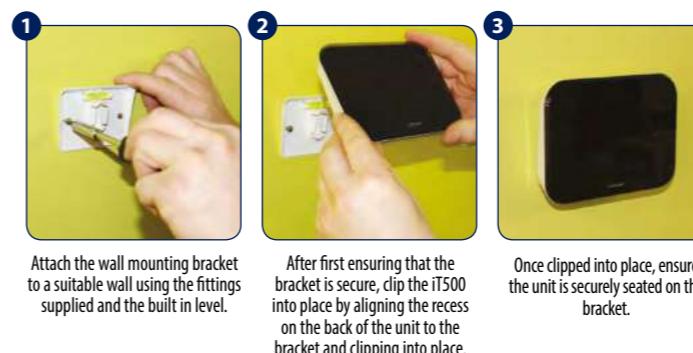


Button functions

- ✓ - Confirm
- ↖ - Return
- ⚙ - Settings / zone changing
- ↑ - Increase
- ⓘ - Display ON (display highlighting)
- ↓ - Decrease

Installation of wall bracket docking (optional)

Info: For best results mount iT500 1.5m from ground level.



Desk mount option iT500

For the desk mounted option, simply clip the clear stand supplied separately into the back of the unit.



iT500RX receiver switch functions

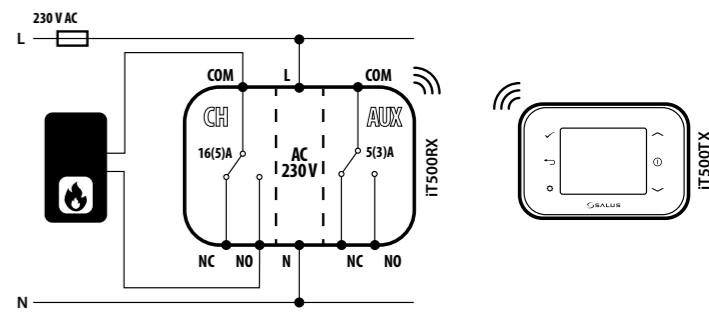
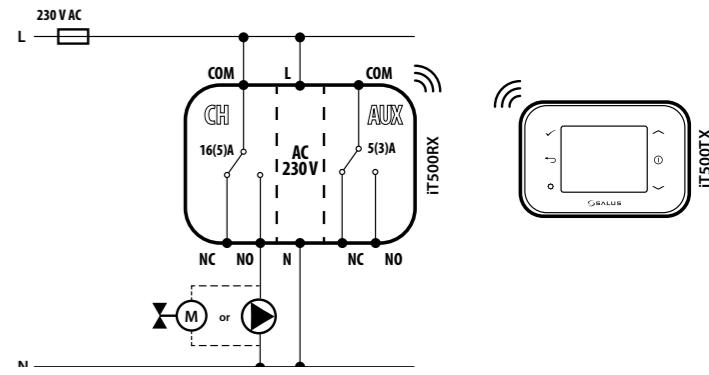
1. **AUTO** - receiver operate in automatic mode (works according to thermostat or app)
2. **MANUAL** - receiver operate according to the switch located below
3. **OFF** - receiver is disabled
4. **CH** - in manual mode, zone 1 are turned ON
5. **AUX** - in manual mode, zone 2 are turned ON
6. **CH/AUX** - in manual mode, zone 1 and zone 2 (or HW) are turned ON



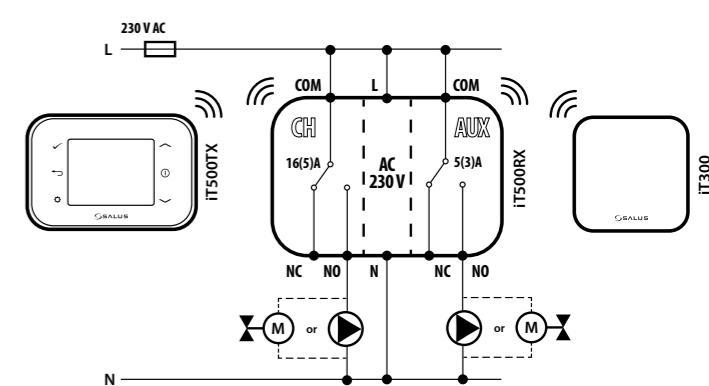
iT500RX terminals description

	Terminal name	Function
	L,N	230V AC power supply
CH (zone 1)	NC	Normally closed terminal
	NO	Normally open terminal
	COM	Common Terminal
AUX (zone 2)	NC	Normally closed terminal
	NO	Normally open terminal
	COM	Common Terminal

Wiring diagrams for single heating zone

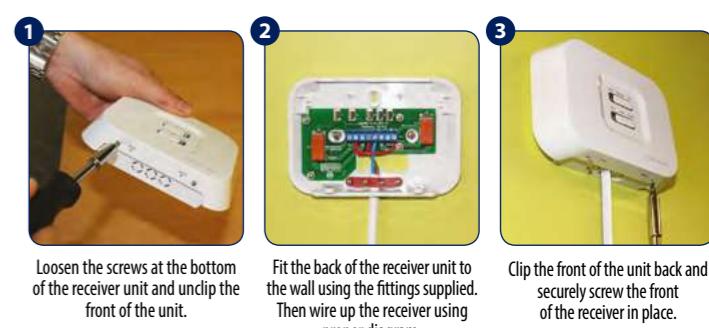


Wiring diagram for 2 heating zones

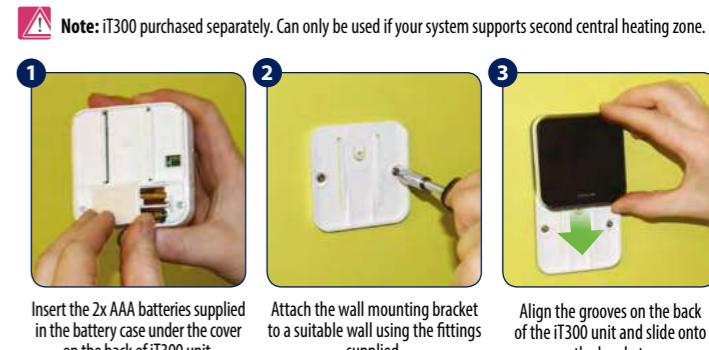


Installation of iT500RX receiver

Note: Always shut off the AC mains supply before installing or working on any components.



Fitting the wall bracket and mounting the iT300



Setting up the iT500 thermostat

After powering up iT500 for the first time the display will go through the following sequence.



OTA (Over The Air)
operated software)
revision number

iT500 Software revision

The globe icon will appear when the unit automatically connects to the internet via the SALUS iT500 Gateway. This should take approximately 20 seconds.

Pairing iT500 with iT500RX receiver



Using a paper clip, insert into the hole marked SYNC at the bottom of iT500RX receiver.

The bottom switch will show a constant red light when iT500RX receiver is ready to pair. Now go to iT500 thermostat.

Press the power button ① to highlight the display.

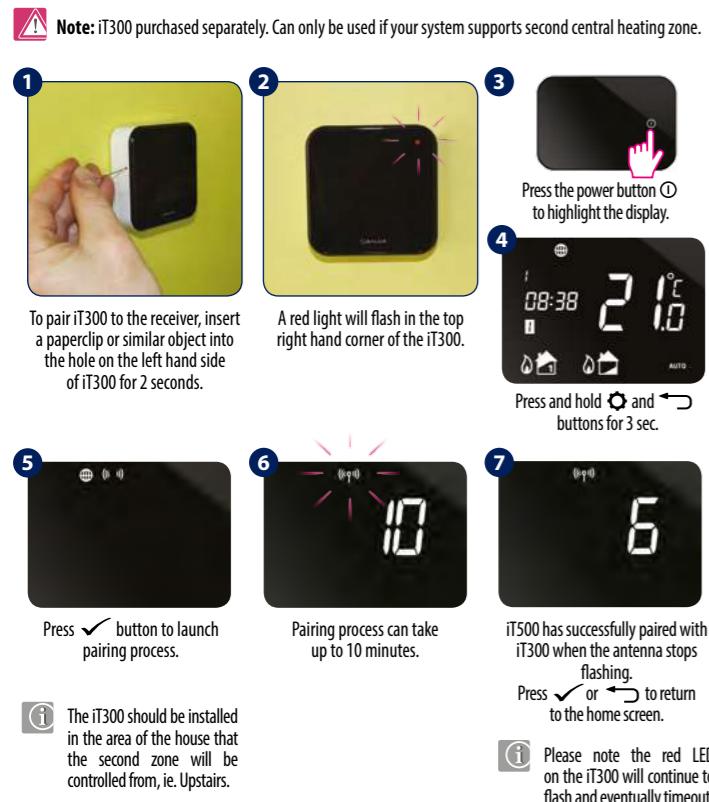
Press and hold and buttons for 3 sec.

Press button to launch pairing process.

Pairing process can take up to 10 minutes.

FAILSAFE MODE: In the event of RF signal loss, your system will be switched on for 4 minutes, then off for 11 minutes. If you want to disable FAILSAFE MODE when RF link has been lost then move the slide switch on iT500RX to either the Manual or Off position.

Pairing the iT300 to the thermostat



To pair iT300 to the receiver, insert a paperclip or similar object into the hole on the left hand side of iT300 for 2 seconds.

A red light will flash in the top right hand corner of the iT300.

Press the power button ① to highlight the display.

Press and hold and buttons for 3 sec.

Press button to launch pairing process.

Pairing process can take up to 10 minutes.

The iT300 should be installed in the area of the house that the second zone will be controlled from, ie. Upstairs.

iT300 has successfully paired with iT300 when the antenna stops flashing.

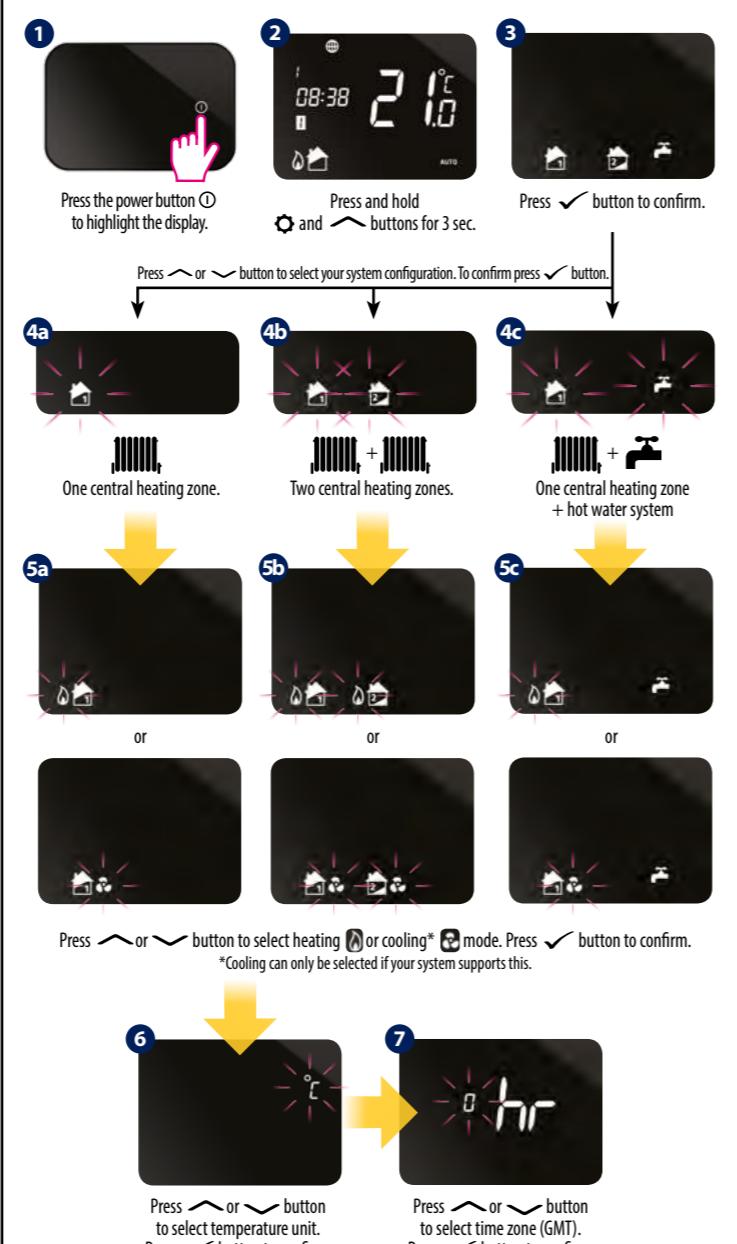
Press or to return to the home screen.

Please note the red LED on the iT300 will continue to flash and eventually timeout.

Selecting your system configuration

⚠️ This menu should only be entered by the installer as changes can have a detrimental effect on your heating system.

ⓘ At any time press for return to the previous step or hold for 5 seconds to return to the home screen.



GMT	GMT+1 Hour	GMT+2 Hour	GMT+3 Hour	
hr	hr	hr	hr	
UK IRELAND PORTUGAL ICELAND*	AUSTRIA POLAND GERMANY CZECH SPAIN FRANCE ITALY SWITZERLAND LUXEMBOURG HOLLAND	BELGIUM DENMARK SWEDEN NORWAY CYPRUS GREECE ROMANIA RUSSIA SERBIA BOSNIA SLOVENIA SLOVAKIA	ESTONIA TURKEY BULGARIA LITHUANIA BELARUS* MALTA ROMANIA MOLDOVA LATVIA UKRAINE	RUSSIA*

ⓘ The countries marked with * do not observe Daylight Saving Time. For details please see below.

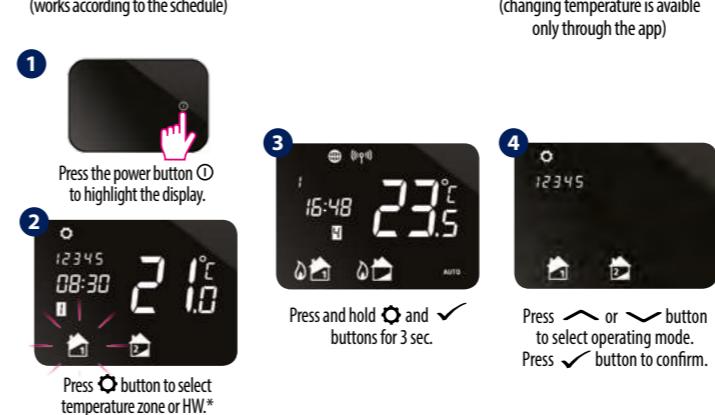
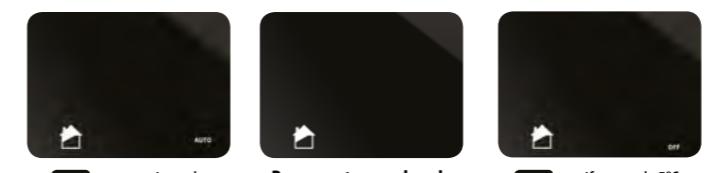


Setting the time and date

ⓘ When connected to the internet, the iT500 will set time and date automatically. However this can also be set manually.

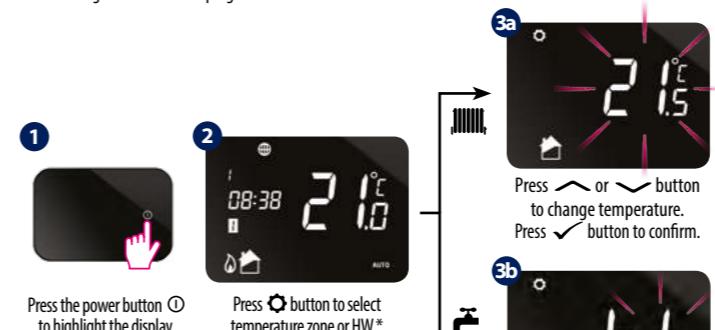


Operating modes

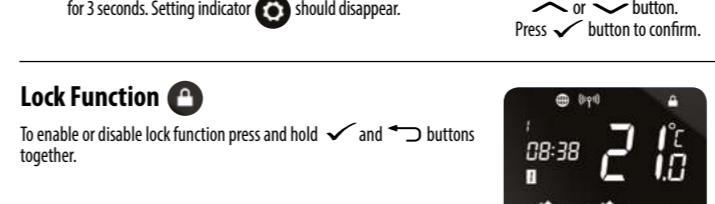


Setting the temperature

⚠️ Note: If you set the temperature in AUTO mode (temporary override) the setpoint temperature won't be changed until the next program starts.



ⓘ You can cancel temporary override by holding for 3 seconds. Setting indicator should disappear.



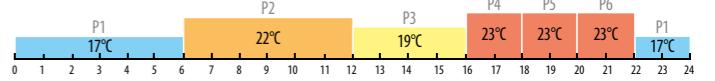
ⓘ To enable or disable lock function press and hold and buttons together.

To enable or disable lock function press and hold and buttons together.

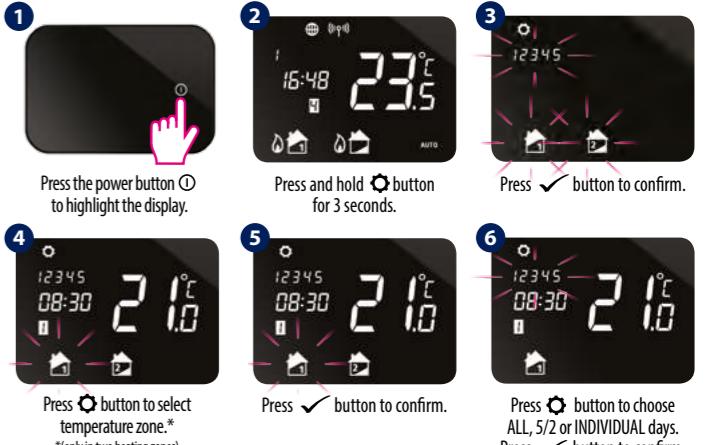
Program schedule for heating zone

ⓘ You can easily set your schedule via iT500 Plus app . If you want to set schedules directly by the iT500 thermostat, please follow the instruction below.

In iT500 thermostat you can define 6 schedule programs per day. You can set different temperature level for each program. While programming specific time interval you must be aware that you are about to set at what time the program will start. For example, if you set program 1 for 6:00 (AM) it means the program is going to run at 6:00 (AM) and will run till the time set for next program. Example of 4 temperature levels for 6 schedule programs:



⚠️ Note: When you set program schedule, necessarily set all 6 programs. I.e. if you want to set 2 temperature levels, you need to set first temperature level for 1 to 5 program and set second temperature level only for program 6.



Program schedule for hot water system



ⓘ Note: In program schedule for hot water system you can set 3 schedule programs per day. For each HW program you must define the time of start and the time of the end.