

# SATK22 & SATK32 HIU

programmer guide



**altecnic**  
Caleffi group

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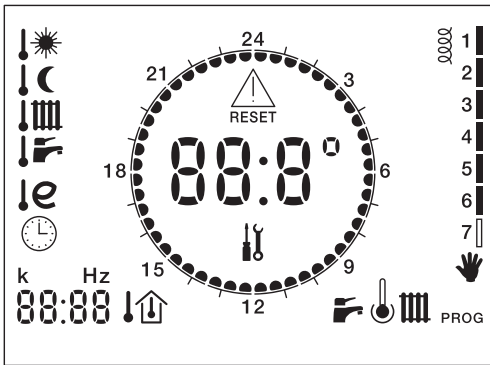
## Introduction

This guide is intended to help the end user understand the features of the SATKF2000 programmer and to assist them in making changes to the operate of the programmer and heat interface unit (HIU) or confirm the operating parameters.








The installer of the system will have commissioned and set the programmer to typical operating conditions, which can be altered to suit individual comfort requirements.

The HIU and programmer can be operated and the settings altered by using the buttons, observing the changing symbols on the LED screen and following the instructions in this guide.

## Keys and Symbols







### Keys

-  Select operating mode
-  Set time and temperature
-  Weekly program
-  Change displayed value (turn).  
Select automatic/manual (press).  
Confirm (press).
-  Alarm set
-  Select temperature level (day/night)
-  Temperature display

## Selecting the Operating Mode

Select the operating mode by pressing key  several times

The operating modes you can set are:

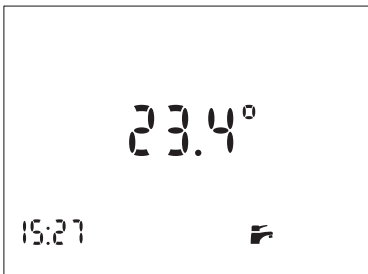
SELECTED STATUS	ID ICONS
OFF	
SUMMER	
WINTER	
HEATING ONLY	

**Press Once - OFF:** all request are disabled

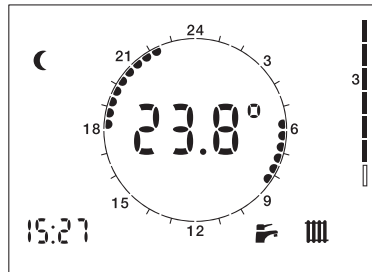


## Summer and Winter Operation


**Press Twice - SUMMER:** the heat interface unit is enabled to produce domestic hot water only











**Press 3 Times - WINTER:** the heat interface unit is enabled to produce both domestic hot water and spece heating.



## Setting the Clock and Temperature


To set the clock and the temperature of this remote programmer and of the boiler press key  several times

SELECTED STATUS	ID ICONS
CLOCK	
TEMPERATURE DAY	
TEMPERATURE NIGHT	
HEATING FLOW TEMPERATURE	

SELECTED STATUS	ID ICONS
DOMESTIC HOT WATER TEMPERATURE COMFORT MODE	
HEATING MAX RETURN*	
DHW MAX RETURN*	
KD OUTSIDE PROBE*	

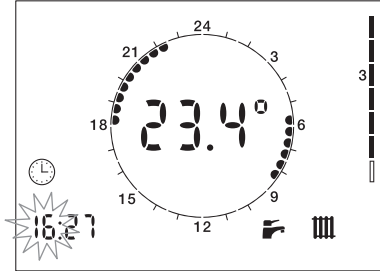
\* These parameters may not be accessible

COMFORT MODE enables/disables the domestic hot water pre-heating.


In place of the time, the quantity value is displayed in the lower left corner. Its identifying icon will be flashing. In order to conclude the setting phase press key  several times until the identifying icons are off

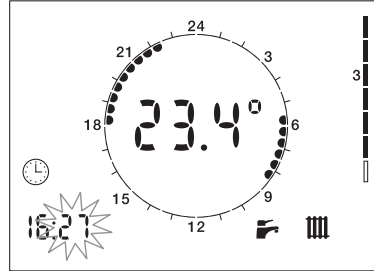
## Setting the Clock

1. Press key  : the hour will flash.



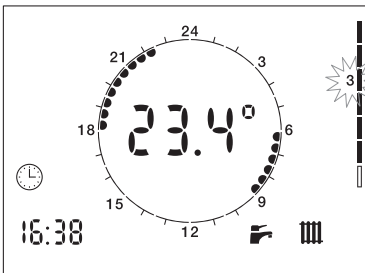
2. Turn button  to set the required value.

3. Press button  to confirm the input value.  
The hour will stop flashing and the minutes will start flashing.




4. Turn button  to set the value.

5. Press button  to confirm value.  
The minutes stop flashing and the day of the week will start flashing






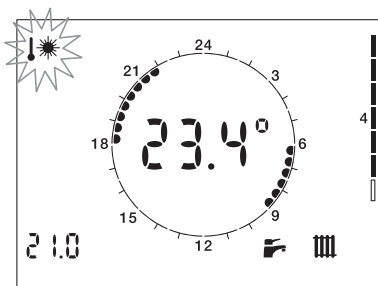
6. Turn button  to set the value.

7. Press button  to confirm value.  
The day of the week stops flashing and the icon  goes off.




8. Day 1 is Monday and day 3 shown is Wednesday etc. each day can have its own unique programme.

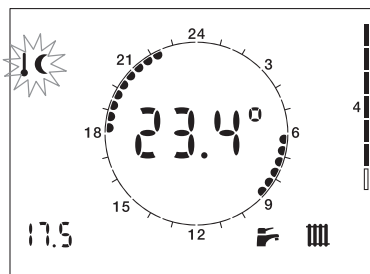
## Setting the Room DAY temperature (if thermostat enabled)

1. Press key  until icon  starts flashing.
2. Turn button  to set the value you want.






## Setting the Room NIGHT temperature (if thermostat enabled)

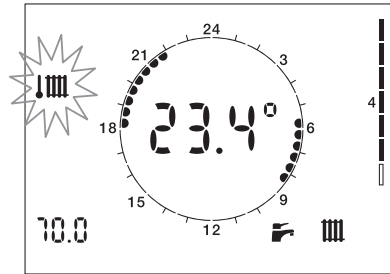
1. Press key  until icon  starts flashing.
2. Turn button  to set the value you want.




## Setting the HEATING flow temperature

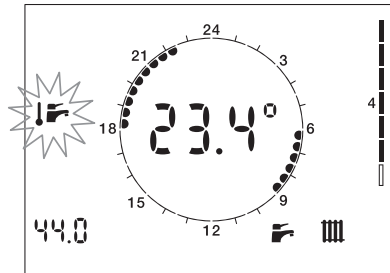
If the remote programmer has been configured as modulating, this parameter determines the max. temperature value as computed by the modulation algorithms.

1. Press key  until icon  starts flashing.
2. Turn button  to set the value you want.






## Setting the DOMESTIC HOT WATER temperature

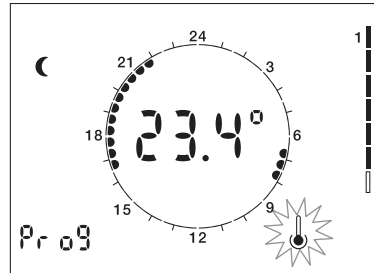
1. Press key  until icon  starts flashing.
2. Turn button  to set the value you want.










COMFORT FUNCTION - Enabling / disabling DOMESTIC HOT WATER pre-heating



1. Press key  until icon  starts flashing.
2. Turn button  to enable (ON), disabled (OFF) or enable according to the weekly domestic hot water pre-heating program (PROG) function.






Manual operation


1. Press button  until icon  appears. The central digits on the display will show the set temperature flashing.
2. Turn button  to set the temperature you want.
3. After 30 secs the central display will go back to showing the current ambient temperature.
4. The set temperature can be changed again at any time by turning button .
5. The set temperature can be displayed by pressing key .
6. The selected temperature will continue until the next phase, when the programmer switches off the space heating or the night program commences.

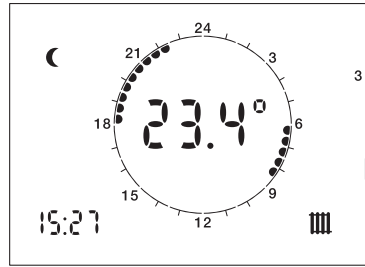


If the thermostat function is disabled, pressing key  until icon  appears results in disabling the time programming of the space heating set on the programmer.

## Automatic operation

1. Press button  until the heating clock corona will be displayed.
2. Icon  or  will light up to show which is the current set temperature level.

If the thermostatic function is disabled, pressing button  until the heating clock corona is displayed enables the time programming of space heating set on the programmer (for any external thermostat connected to the heat interface unit).



## Holiday Mode




The programmer can be set to override other functions when the premises will be un-occupied eg. during holidays.


This is important during winter when the DHW and Heating pipework could freeze causing flooding and damage.

Holiday protection is in addition to the anti-freeze function.

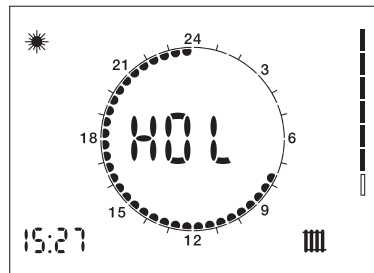
Everyday during the holiday the space heating program will follow the set pattern for each day.

The space heating program will be according to the set pattern of the holiday day, no matter what the day of the week is.

1. Press key  until "HOL" will be shown in the central display.
2. Icon  or  will light up to show which is the correct set temperature level.

If the thermostat function is disabled, pressing button  until the heating clock corona is displayed enables the holiday time programming of space heating set on the device (for any external thermostat connected to the heat interface unit).

To turn off Holiday Mode follow the Summer and Winter Operating procedure on page 3.



Notes:

In this procedure document we have endeavoured to make the information as accurate as possible.

We cannot accept any responsibility should it be found that in any respect the information is inaccurate or incomplete or becomes so as a result of further developments or otherwise.

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