BVF Heating Solutions

BVF 23-FA
RF Thermostat with plug receiver

CE   RF)))

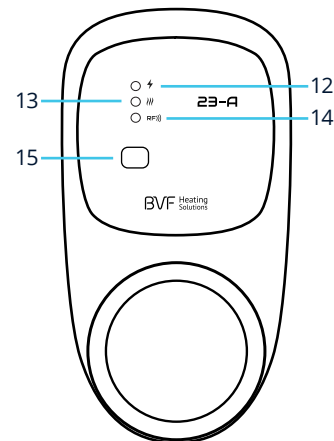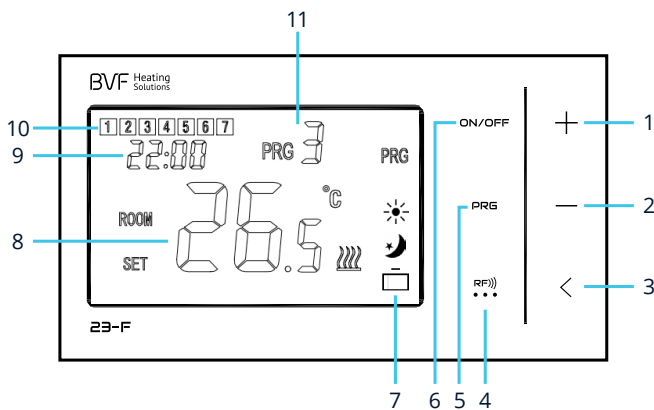## TECHNICAL DATA

Thermostat Operating Voltage:	2 x AAA 1.5V, alkaline batteries
Receiver Current Load:	230V, 50/60Hz
Backup Storage:	EEPROM
Capacity:	3600W / 16A
Frequency:	868MHz / 433MHz
Switching options:	5+1+1 day, 4 periods each day
Temperature settings:	5°C ~ 30°C, 0.5°C increments
Accuracy:	+/- 0.5°C
Thermostat dimensions:	135mm x 88mm x 22mm
Receiver dimensions:	114mm x 86mm x 30mm
Color:	White
IP protection rating:	20
Certification:	CE

PRODUCT FEATURES

- Large display can be clearly read with the background lighting
- Easy to fit without installation works
- Six buttons make it easy to use
- 4 periods of each day programmable (5+1+1)
- The display shows the set and the measured temperature
- The thermostat is supplied with a wall-fixing fram and desktop stand

The unit consists of two parts: 23-F controller and 23-A receiver. The controller has been developed to operate electric heating panels or conventional electric heating units. Receiver part is designed for standard electric outlet. The controller can be accommodated anywhere in the room.

1. DISPLAY AND BUTTONS

1	+ button	Increase temperature (change value at settings)
2	– button	Decrease temperature (change value at settings)
3	Back	Back to main page
4	Menu	Set time / Select Mode
5	PRG	Programming
6	On/Off	Turn unit On /Off
7	Actual mode	Displays actual mode
8	Temperature	Displays actual temperature
9	Clock	Displays actual time
10	Weekday	Displays actual weekday
11	Cycle time	Displays actual cycle time

12	Power on LED indicator
13	Heating on LED indicator
14	Setup in progress LED indicator
15	Pairing device button

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2. TEMPERATURE CALIBRATION

You might need to calibrate the temperature sensor for the first use. Turn off the controller, press and hold the RF button for 3 seconds. Use the ＋ and ━ buttons to set the temperature value. This value can be adjusted within -8 to +8°C in 0,5°C increments.

## 3. SETUP TIME AND SELECT MODE

Set up actual time and weekday

After turning the controller on, press RF button and hold 3 seconds, the time display will start flashing. Change the minutes by ＋ and ━ button.
Press RF button again, and change the hours. Press RF button again and set the day of the week: 1-Monday; 2-Tuesday etc.
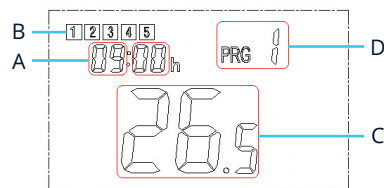After setting up time and day push the ＜ button to save changes.

Select mode

The controller offers four different pre-set modes. The PRG mode sets up temperature using 4 different programmed cycle times a day. The Comfort mode ☼ , Energy saving mode ☽ and the holiday mode ▢ keeps the assigned temperature all around the week.
You may switch between modes using RF button.

4. SETUP PROGRAM MODE

Pre-set factory values of the program mode might be modified easy as follows:

|	Monday to Friday				Saturday				Sunday			
Cycle	1	2	3	4	1	2	3	4	1	2	3	4
Time	6:30	8:00	18:00	22:30	8:00	10:00	18:00	23:00	9:00	12:00	19:00	0:00
Temperature	21°C	18°C	21°C	16°C	21°C	21°C	21°C	16°C	23°C	21°C	16°C	21°C

Weekdays are displayed on the top left area of the screen *(B)* from Monday to Sunday (1-7). You can adjust cycle times *(D)* and temperatures *(C)* for each period: one for the working days (1-5), one for Saturday (6) and one for Sunday (7). All three periods have a daily routine of four cycles with its own starting time and temperature value.

1. To modify values in program mode press PRG button for 3 seconds. Time starts flashing *(A)* Set the starting time of the cycle within the period using ＋ and ━ buttons, and after pushing PRG button again, set the desired temperature value of the cycle.
2. Press PRG button and display will jump to the next cycle. Program all values of the working days, then Saturday and Sunday.
3. You may save changes and return using the ＜ button.

5. PAIRING WITH THE RECEIVER

The receiver is usually paired with the receiver; still in some cases you might need to repeat pairing, which is fast and easy:

1. Connect the receiver to the power outlet. The ⚡ LED light turns on.
2. Push the pairing button on the receiver. The RF LED light starts flashing.
3. Turn thermostat off and press RF for 3 sec. If the RF code shows on the screen press RF button again. The RF LED turns off, pairing is ready. When you set the temperature higher than room temperature, the))) LED will light.

6. MOUNTING

Mounting on wall:

Desktop: