USER INSTRUCTIONS - WFSTAT OPTIMUM VIBE PROGRAMMABLE THERMOSTAT

WiFi ™   **BOILER PLUS**

Touch-sensitive buttons:

Transmitter

⏻ switch on or off

PROG to programme

SET to select pre-set temperatures

∧∨ increase / decrease temperature

↩ back icon to go back

Receiver

🖑 operate the receiver manually

⏻ switch the receiver on or off

This is a WiFi controlled device. Use your smart phone to PROGRAMME USING THE App (see the separate App guide**), OR PROGRAMME USING THE THERMOSTAT TOUCH CONTROLS (**see instructions below**)**

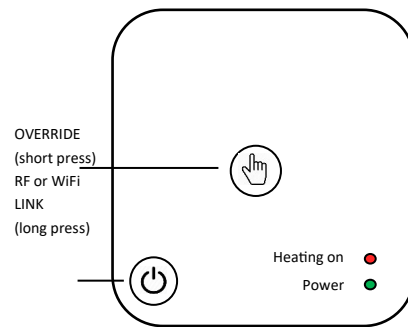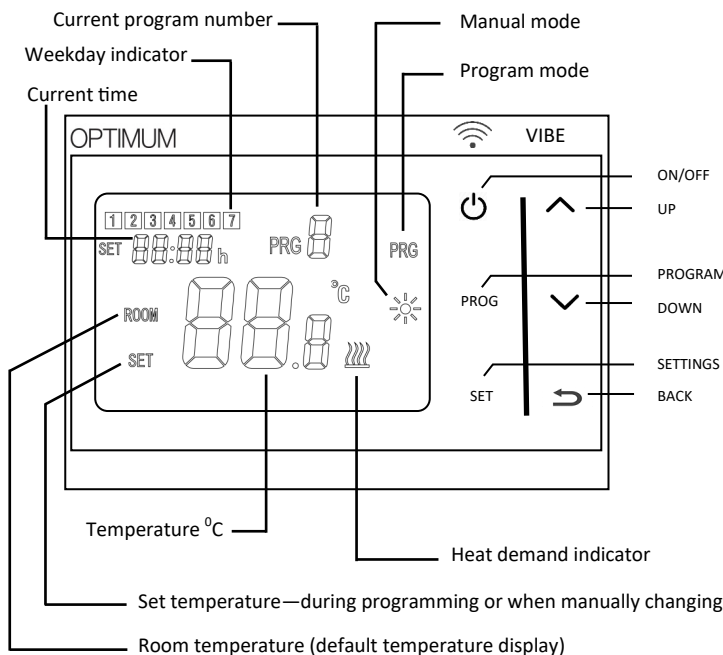### Temporary override using the UP and DOWN arrow icons.

∧
∨ Whilst in program mode (display shows PRG in the top-right) , you can adjust the set temperature by touching the UP or DOWN arrows. This is a temporary override of the current temperature setting. The display will change from showing 'ROOM' and the current measured temperature, to showing 'SET' and the temperature that you are now setting. Five seconds after you have changed the temperature to the value you want for the time-being, the thermostat will 'time-out' and once again show 'ROOM' and the measured temperature. The heating will be switched ON or OFF according to the adjustment you have made. The programmed time / temperature setting will be restored with the next program entry in the memory.

SET **Permanent override—manual mode using the SET icon :** In the program run mode, touch the SET icon briefly to choose between Program mode (**PRG**) or manual mode (sun symbol ☼)). In manual mode you can set a different temperature from the programme. Manual mode is a permanent selection which will only change if you touch the SET icon again. Program mode (**PRG**) runs the programmed time & temperature sequence.

SET **Child lock** - if Child lock has been enabled in the App, temporarily disable Child lock by pressing SET for 3 seconds (only when receiver's ON/OFF terminals are connected). For Open Therm connected device see WiFi GUIDE

SET **Set the time & weekday:** Insert the batteries with correct polarity. The screen will jump to time-setting mode. Or—during normal operation, touch the SET icon for 5 seconds to go into time-setting mode. Using the UP and DOWN arrow icons you can set the current time and weekday. Whether you change a value or not, touch the SET icon to confirm and move on to the next setting. Touch ON/OFF or BACK, or the VIBE will 'time-out' to run mode after about ten seconds.

Transmitter and receiver display / controls

Current program number

Weekday indicator

Current time

Manual mode

Program mode

OPTIMUM 📶 VIBE

ON/OFF — ⏻
UP — ∧
PROGRAM
PROG — ∨ — DOWN
SETTINGS
SET — ↩ — BACK

Temperature ⁰C

Heat demand indicator

Set temperature—during programming or when manually changing

Room temperature (default temperature display)

SP OpenTherm®

OVERRIDE
(short press)
RF or WiFi
LINK
(long press)

Heating on 🔴
Power 🟢

Power
On permanently when connected to Open Therm boiler.
Slow flash when connected by switch connection

Heating on
ON or OFF indicating the output state.
Slow flash if WiFi offline, or RF connection lost
Rapid flash when in RF or WiFi configuration mode

Programming: reviewing or changing the factory pre-set program:

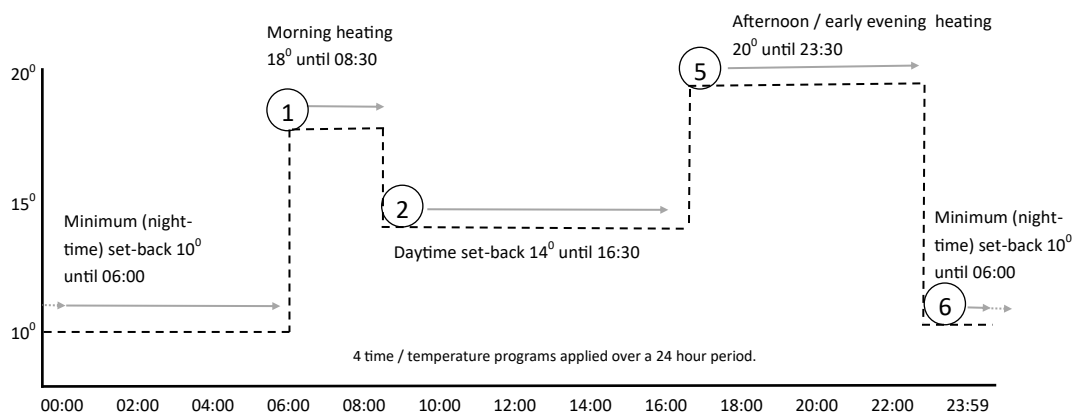The VIBE - model OP-WFSTAT - has a factory pre-set sequence as shown in the table below:

	Monday to Friday			
Program	1	2	3	4
Time	06:00	08:00	16:00	22:00
Temp °C	20	15	20	12
	Saturday & Sunday			
Program	1	2	3	4
Time	06:30	08:30	16:00	22:30
Temp °C	21	15	21	12

PROG Touch the PROG icon for 5 seconds - the display will show the first program. You can confirm the time by touching the PROG icon again, or change in 15 minute increments by touching the UP or DOWN arrow icons. Touch the PROG icon to confirm, and then you will be viewing the temperature. Confirm by pressing the PROG icon, or change the value in 0.5^0C steps to the new required temperature by touching the UP or DOWN arrows. Touch PROG to confirm. You will then be viewing the second time / temperature program. Touch PROG to confirm, or change with the UP / DOWN arrow, and confirm with the program icon. If you want to create your own program, you must over-write the pre-set sequence. It helps to write down what you require first. A blank table is printed for your use below if required. After programming you can touch the ON/OFF or 'Back' icons to save and quit, or 10 seconds after the last button touch the VIBE will time-out to program mode. If whilst programming, you change a temperature value during the *current* program period, you can apply the changed temperature immediately after quitting programming, by touching SET - wait 30 seconds - then touch PROG.

	Monday to Friday			
Program	1	2	3	4
Time				
Temp °C				
	Saturday & Sunday			
Program	1	2	3	4
Time				
Temp °C				

Using the four available program spaces you can set a temperature profile to suit your personal schedule. An example is shown below. If required, each timed period can be set to a different temperature.

4 time / temperature programs applied over a 24 hour period.

Parameter setting — how to configure the way your Optimum Vibe thermostat works: SET + ∧

Configuration options should be set-up when the Vibe is first installed, but you can re-visit these settings if necessary.

To open the configuration menu, touch the transmitter ON/OFF button to turn the display off, then touch the SET and UP buttons simultaneously for 5 seconds:

You will be viewing the first of 21 options which can be configured to adjust the operation of the OPTIMUM VIBE, to best suit the installation and the user's requirements.

Touch the UP or DOWN arrows to adjust the parameter, and touch SET to move sequentially through the options. Changes will be saved by pressing the ON/OFF button. If no button is touched for 10 seconds, the display will 'time-out', but your changes will still be saved.

Option	Description	Range	Default
01	Temperature calibration	$-8^0C \sim +8^0C$	0^0C
02	Maximum temperature setting	$5^0C \sim 35^0C$	35^0C
03	Minimum temperature setting	$5^0C \sim 35^0C$	5^0C
> 05	Frost-protection temperature	OFF; $5^0C \sim 15^0C$	5^0C
09	Hysteresis (differential)	$0.5^0C \sim 3.5^0C$	0.5^0C
11	Child lock	0: Unlock 1: Lock	0
17	Reset (reset all values to default)	Change to 1. Touch Power button for 5 secs	0
18	Firmware code	Non - adjustable *	31C4
19	Firmware code	Non - adjustable *	0113
50	Backlight	0: OFF 1: AUTO	1
> 52	Temperature regulation mode (not applicable if you are using Open Therm connections)	NOr: Normal (ON/OFF) OPs: Optimum Start tPi: Time Proportional / Integral	NOr
> 53	Time interval for Ops	10 min, 15 min, 20 min	20 min
> 54	Number of heating cycles per hour (for TPi)	Range: 2 ~ 3 ~ 6 ~ 12	6
> 55	Proportional Bandwidth (for TPi)	Range: $1.5^0C — 3^0C$	2^0C
56	DHW Temperature ^0C	Open Therm Read only	
57	Boiler Flow Water Temperature	Open Therm Read only	
58	Application-specific fault flags	Open Therm Read only	
59	OEM fault code	Open Therm Read only	
60	DHW Setpoint	(Open Therm) $0^0C — 80^0C$	60^0C
61	Control Setpoint (CH water)	Open Therm Read only	
62	Max set point limitation for boiler	(Open Therm) $30^0C — 99.5^0C$	80^0C
63	Reset the (Open Therm) boiler	Change 0 to 1 with up arrow	

>	See additional notes about these configuration options on Page 4
*	Firmware is pre-loaded in the factory. Firmware versions correct at time of going to press

Configuration options—additional notes:

Option	Description
05	If you set a frost-protection temperature, the heating will be switched on when the measured temperature falls below this level, even if the thermostat has been turned off.
11	When receiver connected via ON/OFF terminals, this setting can be adjusted via the transmitter or the App. When connected via Open Therm terminals, this setting is adjustable *only* via the App
52	Please read 'how it works' for a full explanation of temperature regulation modes
53	For Optimum Start regulation. For best function, the time interval selected should equal the time taken to increase the room temperature by 1 degree.
54	For TPi regulation. Select a low number for fast-acting systems, and a high number for slow-acting systems
55	For TPi regulation. Sets the temperature below the set-point at which TPi control will begin

Low Battery Indication

In normal use, the batteries should last for 12—18 months. 'Normal use' allows for one user interaction per day—frequent use of the backlight will drain the batteries more quickly. When the batteries need to be replaced, the display will alternate between LO bAt and the normal display every 30 seconds.   After changing the batteries, your programming and configuration settings are saved, but you will need to input the time and weekday. The screen will jump to time-setting mode. Use the UP or DOWN arrows to adjust the minutes, hours and weekday. Confirm each setting by touching the SET icon. When you have completed setting, touch the ON/OFF or BACK icons to return to normal run mode.

Refresh WiFi or RF link

Press and hold the receiver's centre override button until the Heating on LED flashes rapidly. Release the button ensuring the LED is still flashing. For WiFi link see separate WiFi instruction.

Now turn off the transmitter by touching the transmitter ON/OFF icon. The display will go blank.

Now touch the SET icon for 5 seconds. A four-character code will show in the top left, and a 0 (zero) . Release and then touch the SET icon once more. The 0 will change to 1. The receiver LED will stop flashing and the RF link has been refreshed. Touching the ON/OFF icon will bring the VIBE—WFSTAT back into operational service mode.

Receiver ON / OFF

You can disable the heating by turning off the receiver. The receiver's output will switch off, and it will stop responding to signals from the transmitter.

Transmitter ON / OFF

You can save battery power on the transmitter, by touching the ON/OFF icon. The transmitter is powered-down and will stop sending control signals; the receiver will remain in it's current state (ON or OFF). If the receiver is powered-up you can control the output by pressing the override button.

Specification:

868 MHz radio frequency control set, with 4 character hexadecimal coding giving 65,536 code combinations. Transmitter power 2 x AAA alkaline. Touch-screen keys. 70 x 40mm backlit LCD. Dimensions 120 x 85 x 22.5mm Dual RF and WiFi 2.4 GHz receiver: power 230V AC, volt-free changeover 10A (resistive) switching, ON/OFF & manual override buttons. Dimensions 85 x 85 x 25mm. Wall-fixing centres 60mm.

Set control features: 20—30m range in buildings. ON/OFF, Optimising & TPI temperature regulation. Open Therm V4.0 compatible. Hysteresis +/- 0.5^{0}C. 5 & 2 or 7 day programming. 5 time / temperature periods. Temperature range 5—35 ^{0}C.

Boiler Plus compatible: Class VI control, 4% contribution to system efficiency

Approvals: CE   -   Radio Equipment Directive EN 2014/53/EU   -   RoHS

Do not dispose of this product with household waste - use local recycling facilities