



ThermoPlus AS1 User Operating Instructions



The ThermoPlus AS1 - Programmable Room Thermostat offers a number of pre-installed heating profiles which are simple to set-up by the installer or user to provide maximum comfort. Once complete, user operations are kept to a minimum by using the +/- and Warm/Cool buttons on the front of the unit.

PLEASE NOTE: The ThermoPlus contains a selection of five pre-set and one adjustable profile options, one of these profiles should have been set by the Installer to meet your heating requirements. Care should be taken to ensure the correct profile is selected that most suits your lifestyle. Details on how to change the selected profile are located on page 9 of this guide.

Introduction and operating guide

The ThermoPlus AS1 has been designed to be a simple to use thermostat, requiring minimal user intervention. The normal day to day operation is taken care of by the pre-set heating profiles, any temporary adjustments are simply made by using the + and – buttons. The indicator lights react to any temporary user adjustments made, the LED indicators work in the following way;

Warm is shown by two red lights (6) and Cool is shown by a single blue light (5). The centre button (3) marked 'Warm/Cool' allows you to toggle between warm and cool settings.

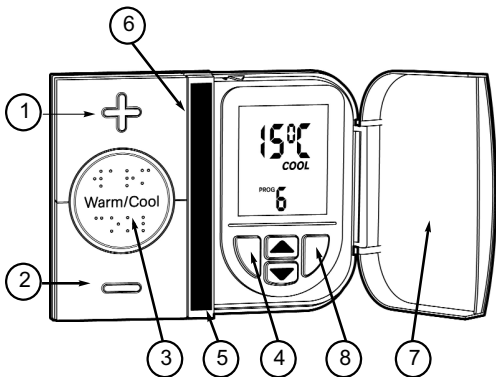
When one or more red lights are on, you can increase the temperature by pressing the + button (1). For example, press once to go up by 1 degree or press twice to go up by 2 degrees.

When the two or three red lights are on, the temperature can also be lowered by using the – button (2). For example, press once to go down to the warm setting temperature and press again to go down to one degree below warm setting temperature.

The Blue light means the unit is working to the lower temperature and the + or – buttons do not work when this blue light is on. To change to the warm setting press the 'Warm/Cool' button.

Under the flap (7) is a blue button (4). During the summer, or when you want your central heating off for long periods, for example if you go on holiday, press the Blue button and close the flap. When you want to go back to normal operation, open the flap and press the blue button again, remembering to close the flap once finished.

Both the Warm and Cool temperature settings can be fully adjusted, this operation is detailed on the next page.

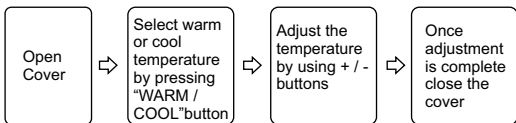


Warm and Cool Temperature Adjustments

The ThermoPlus has two preset temperature levels, these are known as 'Warm', higher level temperature(21 °C) and 'Cool', lower or set back temperature(15 °C). The preset temperatures have been selected to give a comfortable, safe, yet efficient temperature level in the home.

In certain installations it may be necessary to adjust either the 'Warm' and / or 'Cool' temperatures to meet the specific needs of the user. This can be achieved by following the simple steps below; (Additional information is also contained within the General Information section of this guide)

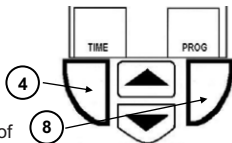
Warm and Cool Temperature Adjustments



Thermoplus Programming Mode

The ThermoPlus AS1 has been designed for minimal user intervention, however should any changes be required please press buttons 4 and 8 simultaneously to enter the programming mode, this will allow you to;

- Check the current time/date/year
- Check the current profile
- Set a new pre-set profile
- Set a user defined profile

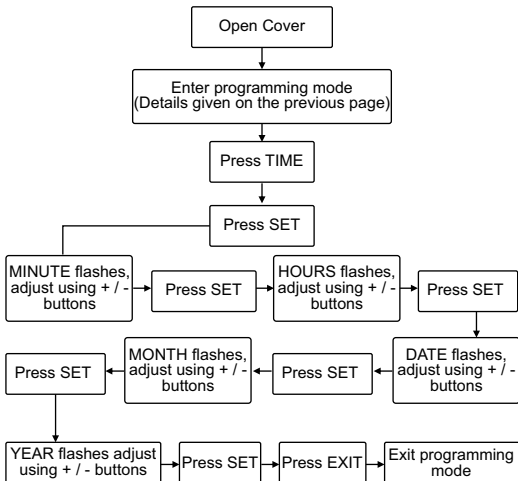


PLEASE NOTE; Upon completion of the instructions above, please ensure that you exit the programming mode by pressing button 4 and 8 simultaneously.

Time and Date Check

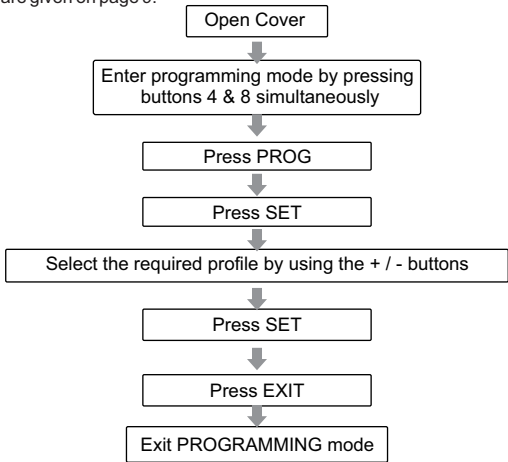
The ThermoPlus thermostat has been pre-set with the current time and date during manufacture. No alteration should be required to the time and date, however if any modification is required please refer to the flowchart on next page.

Time and Date Check



Setting Heating Profiles

The ThermoPlus AS1 contains a selection of five preset and one user definable profile options, one of these will have been set by the Installer. Care should be taken to ensure a profile is selected that suits your lifestyle the best. Profiles one to five are detailed on pages 7 and 8. If none of the preset profiles meet your requirements it is possible to set a user defined profile, full details are given on page 9.



Profiles one to five have fixed programmes, they can be reviewed by pressing the set button once the selection process detailed above has been completed. To set a custom profile please refer to the instructions on page 9.

Heating Profiles

The ThermoPlus has six heating profiles, five are fixed and one is adjustable. 'ONE' has been set as the default and is detailed below. During installation a heating profile should have been set to best match your requirements; illustrations of the preset below shown are profiles.

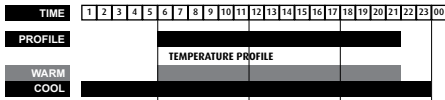
PROFILE 1

24 HOUR

Profiles One To Three 24 Hour - Same Profile Each Day

ONE - DEFAULT	START	STATUS
EVERY DAY	06:00	WARM
	22:00	COOL

TIME PROFILE

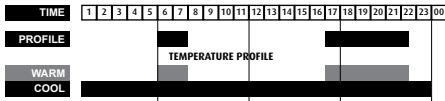


PROFILE 2

24 HOUR

PROFILE TWO	START	STATUS
EVERY DAY	06:00	WARM
	08:00	COOL
	17:00	WARM
	22:30	COOL

TIME PROFILE

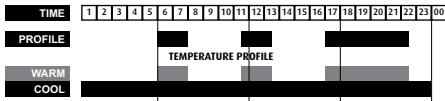


PROFILE 3

24 HOUR

PROFILE THREE	START	STATUS
EVERY DAY	06:00	WARM
	08:00	COOL
	11:30	WARM
	13:30	COOL
	17:00	WARM
	22:30	COOL

TIME PROFILE



Profiles Four and Five

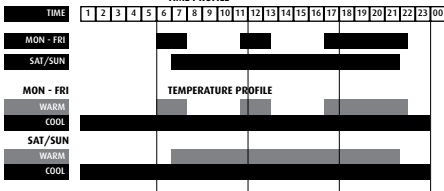
5 Day/ 2 Day - Different Weekday / Weekend Profile

PROFILE 4

5/2 DAY

	START	STATUS		START	STATUS
MON - FRI	06:00	WARM	SAT/SUN	07:00	WARM
	08:00	COOL		22:00	COOL
	11:30	WARM			
	13:30	COOL			
	17:00	WARM			
	22:30	COOL			

TIME PROFILE

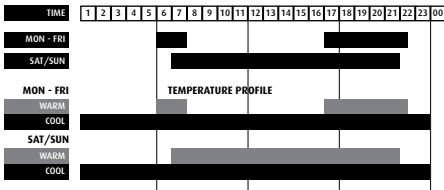


PROFILE 5

5/2 DAY

PROFILE FIVE	START	STATUS		START	STATUS
MON - FRI	06:00	WARM	SAT/SUN	07:00	WARM
	08:00	COOL		22:00	COOL
	17:00	WARM			
	22:30	COOL			

TIME PROFILE

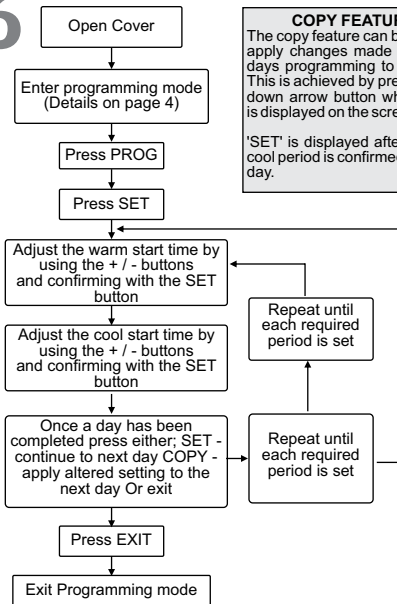


Profiles one to five have fixed periods, no alteration to the Warm / Cool times can be made, if it is necessary to make any alterations then profile six must be used. Profile six will allow you to set up a profile to your exact requirements. Please refer to the flowchart on page 9.

Profile Six

User Definable - 7 Day Programming

PROFILE 6



COPY FEATURE

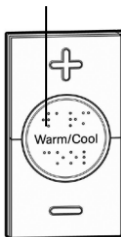
The copy feature can be used to apply changes made from one days programming to the next. This is achieved by pressing the down arrow button when 'SET' is displayed on the screen.

'SET' is displayed after the last cool period is confirmed on each day.

Warm and Cool Temperature Adjustment

The Warm and Cool target temperature settings on the ThermoPlus AS1 are fully adjustable. To change a target temperature it is first necessary to press the the centre button to bring up the 'Warm' or 'Cool' setting (Indicated by the red or blue LED indicators). By using the up/down keys under the flap the 'Warm/Cool' temperature can be increased or decreased to the desired temperature setting

Press here to select Warm or Cool



PLEASE NOTE - it is not possible to set the warm setting to below that of the cool setting or vice versa.

Once a new temperature has been set on either the Warm or Cool setting the AS1 will continue to use this setting until the next manual adjustment.

PLEASE NOTE - The AS1 will display any temporary change the user has made by pressing the + or - buttons, this does not indicate a permanent change in either the Warm or Cool settings, the temperature will return to the pre-set levels at the next switching period. During an override the 'Warm' or 'Cool' setting will not be displayed on the LCD.

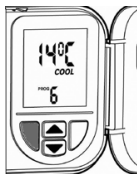
Warm and Cool Temperature Adjustment



To increase
Press



To decrease
Press



Resetting the ThermoPlus AS1

Electronic equipment can in some circumstances be affected by electrical interference. If the display becomes frozen or scrambled; or if you wish to revert back to the default settings please use the following procedure.

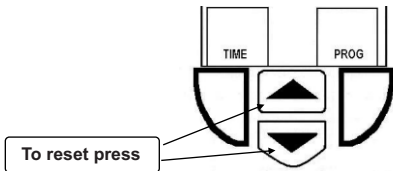
Reset Procedure

PLEASE NOTE; Using this procedure will restore the ThermoPlus to the original factory programme settings, the time setting will also default to 1st January 2005.

RESETTING THE THERMOPLUS AS1

On the ThermoPlus AS1 press the 'UP' and 'DOWN' arrow buttons together:

Then release the buttons and the thermostat will return to preset factory settings.



General Information

Frost Protection

The Blue button situated under the flap will initiate the frost protection mode when pressed, the word 'STANDBY' will appear on the display, the thermostat has been pre-programmed with a frost protection temperature level of 7°C, this can be adjusted by using the up and down arrow buttons.

Battery

The programmer is fitted with a non-rechargeable, long life battery, which will maintain the programmed time settings for a minimum of 12 months with the supply disconnected. THIS SHOULD BE SUFFICIENT TO COVER POWER INTERRUPTIONS DURING THE LIFE OF THE UNIT. During power interruptions the LCD display and LED indicators will not function.

Service and Repair

The ThermoPlus AS1 is NOT user serviceable. Please do not dismantle the unit. In the unlikely event of a fault developing please refer to the **RESETTING THE THERMOSTAT** section of this user guide located on page 12. If this fails to resolve the problem please contact a local heating engineer or a qualified electrician.

HORSTMANN

South Bristol Business Park,
Roman Farm Road, Bristol BS4 1UP
t: +44 117 978 8700
e: sales@horstmann.co.uk
www.horstmann.co.uk



Part Number P82312 Issue 2