

MPRT

PROGRAMMABLE ROOM THERMOSTAT

USER INSTRUCTIONS

ABOUT YOUR MPRT

The **MPRT** is a programmable room thermostat. It measures the temperature of your room and then controls the heating to maintain the room at the chosen temperature.
IMPORTANT : Do not fit the MPRT where it will be affected by heat from radiators, sunshine, or other heat source.



The MPRT is wired to your heating equipment by your electrician.

If your MPRT has already been installed you need only follow the section 'THREE EASY STEPS', to operate your heating.

“THREE EASY STEPS”

On your MPRT unit you set the value of three temperatures, Low, Medium and High.

“Low” is typically a night setting, “Medium” an afternoon setting, and “High” a morning and evening setting.

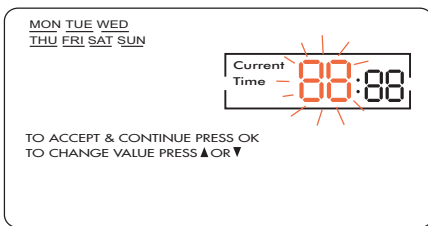
Your MPRT will then operate your heating to maintain these temperature settings.

Follow steps 1 to 3 below.

① SETTING THE CLOCK

Hold down **HEAT TIMES** for 5 seconds.

This screen appears:



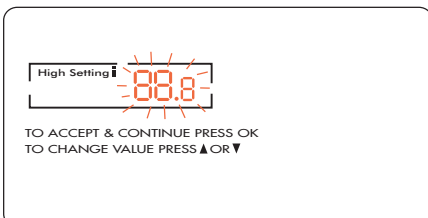
Use **▲** and **▼** to alter the blinking text (hours). Press **OK** to proceed to minutes and change using **▲** and **▼**. Press **OK** to proceed to day and change using **▲** and **▼**. Press **OK**.

The time is now set and the screen returns to normal.

② SETTING YOUR 3 TEMPERATURES

Press **H**.

This screen appears:



Use **▲** or **▼** to set the “High” temperature. You have now set your high temperature. Press **OK**. The screen returns to normal.

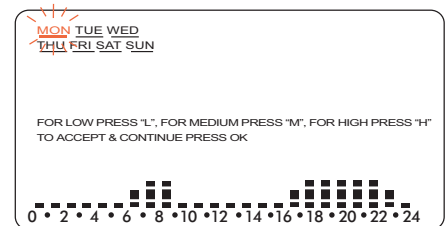
To set your “Medium” temperature, follow the same procedure as above except press **M** instead of **H**.

To set your “Low” temperature, follow the same procedure as above except press **L** instead of **H**.

③ SETTING YOUR HEATING TIMES

Press **HEAT TIMES**.

This screen appears:



NOTE:

If the screen above appears without the days of the week displayed it means the room unit has been set up to give the same temperatures every day. If you wish to change this set up to enter for individual days press **OK** to exit. Then press **▲** and **▼** together and hold down for 10 seconds.

Press **HEAT TIMES** to enable daily time settings. Press **OK** to accept.

Now press **HEAT TIMES** and follow the instruction below.

(To revert to the same programme each day repeat the above process.)

When the daily programme is enabled, the bar graph shows the temperatures for the 24 hours of Monday. A Low temperature is indicated by **-**, a Mid temperature by **■**, and a High temperature by **■**. If you are happy with the temperatures entered for Monday, press **OK**.

Tuesday’s temperatures appear.

If you are happy with these temperatures press **OK** again, and so on to Sunday.

Press **OK**. The screen returns to normal.

If you are not happy with the temperature on any particular day you can change them. For example, in the figure below, to change the settings on the left (LLLLLMMHLL) to those on the right you would press the button sequence LLLLLMMHHHH.



SMART START

“SMART START” varies the start-up times to ensure that the building achieves temperature by the required time.

The smart start system is continually learning the temperature rise requirement, delaying the start up of the system, therefore saving energy during milder weather.

SETUP FOR SMART-START.

To toggle the Smart-Start function between enabled and disabled, hold **▲** and **▼** down for 10 seconds.

The **1Hr** button can now be used to toggle Smart-Start between active and deactivated.

OTHER SIMPLE FUNCTIONS

ONE HOUR OF HIGH TEMPERATURE.

If you press **[1 Hr]** you will get an hour of High heat, irrespective of whether your times are set for Low or Mid heat.

If you want to cancel this function you simply press **[OFF/MAN]**.

MANUAL OVERRIDE.

If you hold **[OFF/MAN]** for 5 seconds, the room unit will go into manual mode. In this mode there is only one temperature.

Press either **[▲]** or **[▼]** to see this temperature change.

Set it to the temperature you require. The thermostat will continue to control your heating at this temperature until you deactivate manual override by pressing **[OFF/MAN]**.

DEACTIVATING YOUR HEATING:

If you press **[OFF/MAN]** your heating will be deactivated. The screen will continue to indicate the room temperature but the heating will never come on.

To reactivate your heating simply press **[OFF/MAN]**.

Note:

Provided you deactivate via the MPRT the system will have frost protection at 6°C. If the system is to be left shut down for a long period over winter ensure there is sufficient battery life to maintain protection.

MORE ADVANCED FUNCTIONS

KEYPAD LOCKING.

Hold **[L]** & **[OK]** for 5 seconds to lock the keypad.

The locked symbol appears on the screen **[L]**.

No changes can be made to the settings.

To unlock the screen hold **[L]** & **[OK]** for 5 seconds.

RETURN TO FACTORY SETTINGS.

Holding **[▼]** and **[OK]** down for 10 seconds returns the H, M and L temperatures to the values they had when they left the factory.

It also returns the heating times to their factory values.

COPY FUNCTION.

Pressing **[▲]** and **[OK]** for 5 seconds when setting your heating times (step 3), will copy the current day's times into the next day.

HOLIDAY FUNCTION.

Pressing **[H]** while holding **[OK]** puts the room unit into holiday mode. Press **[▲]** to enter the number of days you will be away on holidays. Press **[OK]**. Now press **[▲]** or **[▼]** to alter the room temperature you require while away on holidays. Press **[OK]** to accept and exit. The function can be cancelled by pressing **[OFF/MAN]**.

SMART-START FUNCTION.

The message "SMART START" displayed on the screen indicates that this function is operating.

Smart-Start works by switching the heat on in advance - so that the room can warm up. As an example, lets say you get out of bed at 8am and you want the room to be warm at that time.

Without Smart-Start you must programme your High temperature for 7am. - See diagram below.

With Smart-Start you need only programme your High temperature for 8am. - See diagram below.

Smart-Start will know that you want the room warm at 8am and bring the heating on before that.



But Smart-Start is even more intelligent than this. It remembers how cold it was on the previous mornings. Thus, in Winter it might start the heating 1 hour before 7a.m. and in Spring start half an hour before 7a.m. In this way it provides optimum comfort and energy saving.

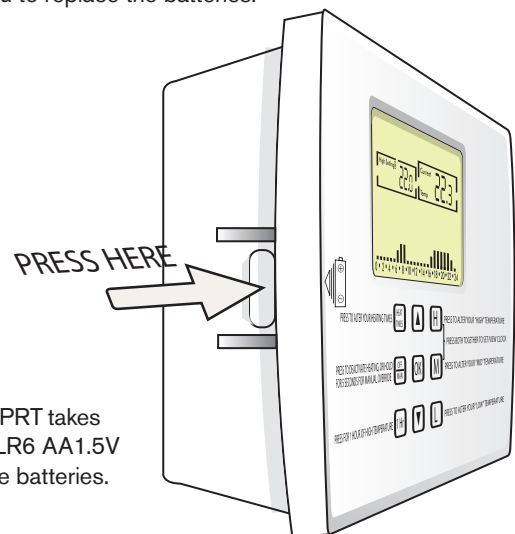
Note:

In extreme low temperatures and dependant on your heating system capability, the desired temperature set may not be reached by the set time. Thus an earlier higher temperature may need to be set.

REPLACING THE BATTERIES IN YOUR MPRT.

Dependant on type and manufacturer the batteries in your MPRT should last approximately 2 years.

When they go low, a battery symbol appears on the LCD screen telling you to replace the batteries.



The MPRT takes three LR6 AA1.5V alkaline batteries.

To access the batteries release the cover from the base by pressing the base at arrow shown above.

The batteries are then visible.

NOTE: Changing the battery in 1 minute or less will retain all your settings. If it takes longer than 1 minute, you may have to re-enter your settings.

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