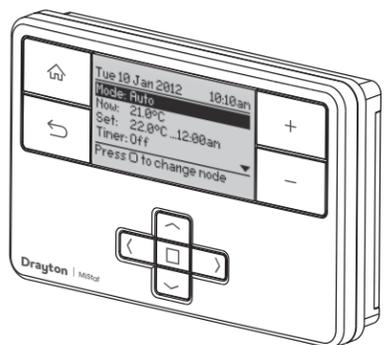


MiStat Programmable Room Thermostat

Model: P710R



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EU Design Regs:- 002180638-1/2/3
User Guide 06490190001 Iss G



HOMEOWNER Guide



What is a programmable room thermostat?

... an explanation for householders

A programmable room thermostat is both a programmer and a room thermostat. A programmer allows you to set 'On' and 'Off' time periods to suit your own lifestyle. A room thermostat works by sensing the air temperature, switching on the heating when the air temperature falls below the thermostat setting, and switching it off once this set temperature has been reached.

So, a programmable room thermostat lets you choose what times you want the heating to be on, and what temperature it should reach while it is on. It will allow you to select different temperatures in your home at different times of the day (and days of the week) to meet your particular needs.

Turning a programmable room thermostat to a higher setting will not make the room heat up any faster. How quickly the room heats up depends on the design of the heating system, for example, the size of boiler and radiators. Neither does the setting affect how quickly the room cools down.

Turning a programmable room thermostat to a lower setting will result in the room being controlled at a lower temperature, and saves energy. The way to set and use your programmable room thermostat is to find the lowest temperature settings that you are comfortable with at the different times you have chosen, and then leave it alone to do its job.

The best way to do this is to set low temperatures first, say 18°C, and then turn them up by one degree each day until you are comfortable with the temperatures. You won't have to adjust the thermostat further. Any adjustments above these settings will waste energy and cost you more money.

If your heating system is a boiler with radiators, there will usually be only one programmable room thermostat to control the whole house. But you can have different temperatures in individual rooms by installing thermostatic radiator valves (TRVs) on individual radiators.

If you don't have TRVs, you should choose a temperature that is reasonable for the whole house. If you do have TRVs, you can choose a slightly higher setting to make sure that even the coldest room is comfortable, then prevent any overheating in other rooms by adjusting the TRVs.

The time on the programmer must be correct. Some types have to be adjusted in spring and autumn at the changes between Greenwich Mean Time and British Summer Time.

You may be able to temporarily adjust the heating programme, for example, 'Override', 'Advance' or 'Boost'. These are explained in the manufacturer's instructions.



Step 1: Keys and Display / Zone Summary

RF Pack: MiStat P710R

Call for heat indication. This flame will be visible when the room temperature is below the set temperature

T: Short flashes = RF transmission
Continuous flashing = RF signal issue

Indicates a Service warning.

Indicates that holiday is enabled

Low battery warning; see Step 8.

Time

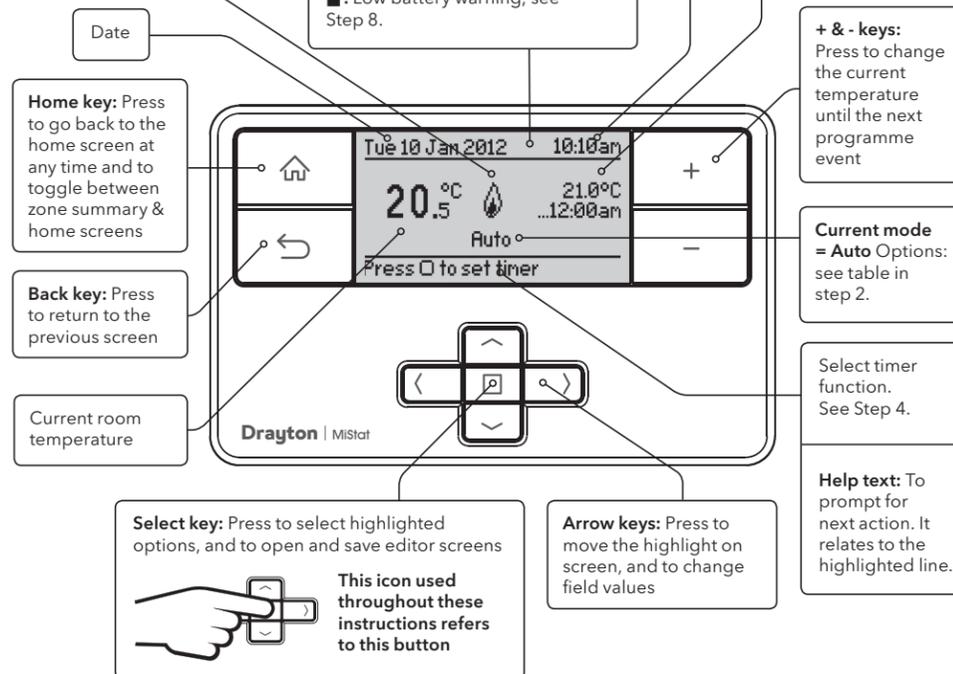
Current set temperature & duration, e.g. heating is programmed to be 21.0°C until 12:00 am

+ & - keys: Press to change the current temperature until the next programme event

Current mode = Auto Options: see table in step 2.

Select timer function. See Step 4.

Help text: To prompt for next action. It relates to the highlighted line.



HOMEOWNER Guide

Step 2: Home Screen

Current Mode: Auto
Options: See table below.

Tue 10 Jan 2012 10:10am
Mode: Auto
Now: 21.0°C
Set: 22.0°C...12:00am
Timer: Off
Press □ to change mode

Timer: Off. See step 4.

Arrow denotes that further options are available if you scroll down. These are: Programme timetable, Settings

Set: describes the current programme event, e.g. Required temperature is 22.0°C until 12:00am. Link to Programme timetable - see Step 5.

Now: Current room temperature Link to Zone summary - see Step 1.

Mode:	Description:
Auto	The room temperature will be controlled according to the loaded programme schedule (see step 6).
Manual	The room temperature will be controlled continuously according to the set temperature. Use + - key to change temperature.
Custom day (Use: Illness or holiday at home)	The room temperature will be controlled according to the Custom day timetable. The programme is the same each day.
Always Off	The heating will be off.

Step 3: Powersave

This screen will show 2 Minutes after the last key press, if "no display" is selected (see Installer Settings), the screen will be blank.

Call for heat indication. This flame will be visible when the room temperature is below the set temperature

Current room temperature Current set temperature

Step 4: Timer

To set a suitable temperature for up to 23 hours, e.g. for short term absence.

When the timer is running, the time will be counted down each hour. Once the timer has elapsed, it will return to the prior temperature screen.

Timer duration: Adjust between 1 and 23 hours

Timer Temperature: Adjust to suit requirements.

To cancel the timer

Step 5: Prog. Timetable

Zone = Heating

Timetable day range: Use left and right keys to select available day blocks.

Options: Individual days (7day), Week and weekend (5/2day), All week (24hr).

The available blocks depend on the selection in menu "Change timetable type"

Help text: Use left/right buttons to select the days you want to change

Arrow denotes that further options are available if you scroll down (see step 7).

Period 1 settings: describes the current timetable settings, e.g. Heating is programmed to control at 21.0°C from 7:00am until 10:00am

Period 3 settings: describes the current timetable settings, e.g. Heating is programmed to control at 21.0°C from 4:00pm until the following day (>>> is indicating an event on next day)

Press select (□) when highlighted to adjust settings (see step 6)

Up to 8 periods can be programmed

Step 6: Period Settings

Day range & period

Highlight shows adjustable field: Use up/down buttons to adjust values

Help text: Use left/right buttons to change fields

Period settings: 21.0°C from 8:00am until 10:00am. >>> Indicates link to next event

Stored programmes

MiStat P contains 3 pre-set programmes, as shown below. These programs can be modified according to personal needs and can be stored by using a name. Via this name they can also be re-loaded. Once a programme has been modified, the original factory pre-set will no longer be available. On a System Reset, only the current loaded programme will be replaced with the factory setting - see Installation Guide Step 5.

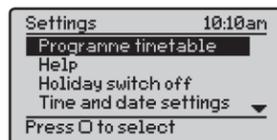
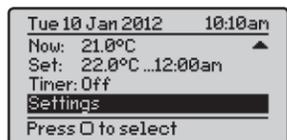
Programme 1	All week		Week & Weekend or Individual Days			
	Mon-Sun	Mon-Fri	Mon-Fri	Sat-Sun	Time	Temp
1st event	6:30am	20.0°C	6:30am	20.0°C	7:00am	20.0°C
2nd event	8:30am	16.0°C	8:30am	16.0°C	9:00am	18.0°C
3rd event	4:30pm	21.0°C	4:30pm	21.0°C	4:00pm	21.0°C
4th event	10:30pm	7.0°C	10:30pm	7.0°C	11:00pm	7.0°C

Programme 2	All week		Week & Weekend or Individual Days			
	Mon-Sun	Mon-Fri	Mon-Fri	Sat-Sun	Time	Temp
1st event	6:30am	20.0°C	6:30am	20.0°C	7:00am	20.0°C
2nd event	8:30am	16.0°C	8:30am	16.0°C	9:00am	18.0°C
3rd event	12:00pm	21.0°C	12:00pm	21.0°C	12:00pm	21.0°C
4th event	2:00pm	16.0°C	2:00pm	16.0°C	2:00pm	18.0°C
5th event	4:30pm	21.0°C	4:30pm	21.0°C	4:00pm	21.0°C
6th event	10:30pm	7.0°C	10:30pm	7.0°C	11:00pm	7.0°C

Programme 3	All week		Week & Weekend or Individual Days			
	Mon-Sun	Mon-Fri	Mon-Fri	Sat-Sun	Time	Temp
1st event	6:30am	21.0°C	6:30am	21.0°C	7:00am	20.0°C
2nd event	10:30pm	7.0°C	10:30pm	7.0°C	9:00am	18.0°C
3rd event					4:00pm	21.0°C
4th event					11:00pm	7.0°C

Step 7: Additional User Settings

Start at "Home Screen"



Press Select to enter a specific Setting. Options shown below:

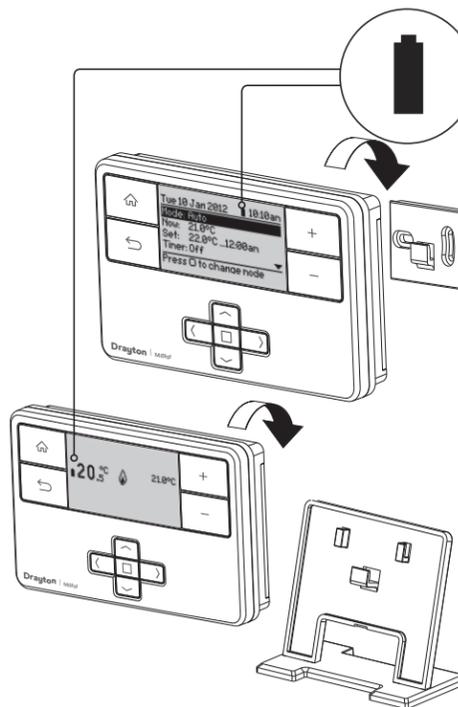
Feature:	Description:	Factory Pre-Set:
Programme Timetable	Temperature and time for the current period can be modified. See description in 'Step 5'	
Copy days	Will copy the current day to one or more other days	
Add period	Adds a Time/Temperature event. It will be added at the correct position within the day. There is a maximum of 8 periods.	
Remove period	Removes the selected period. There needs to be at least two periods	
Change timetable type	The visible day-blocks available in "Programme timetable" can be defined	
Individual days	Each day can be programmed individually	
Week and weekend	Mon... Fri and Sat... Sun can be programmed as 2 blocks	Default
All week	Mon...Sun can be programmed as one block	
Stored programmes	MiStat contains 3 pre-set programmes, see step 6. The 3 user profiles can be saved by name and restored.	Programme 1
Load stored programme	A pre-set programme can be loaded by name	
Save current programme	The current programme can be saved by name (Each pre-set program includes: Individual days, week/weekend, all day and custom day schedules)	

Feature:	Description:	Factory Pre-Set:
Help Tips	Describes the button functions	
Holiday switch off	A specific temperature can be set from until a date In the period until holiday starts the product will operate normally. If holiday is disabled manually or terminates automatically, the mode before start of holiday will be re-instated. An enabled holiday will be indicated with a suitcase symbol in the top line. If holiday is active, in the Set: line the holiday end date will be indicated. In the Summary screen the suitcase will be visible together with the holiday temperature.	
Status	Enable or disable holiday mode.	Disabled
Holiday temperature	Set the temperature to be controlled during your holiday	16°C
Holiday start time (From)	Set the time for the start of your holiday	Current time - nearest hour
Holiday start date (From)	Set the date for the start of your holiday	Today
Holiday end time (To)	Set the time for the end of your holiday	Current time - nearest hour
Holiday end date (To)	Set the date for the end of your holiday	Today + 1 week
Time and date settings		
Set time	To set time of day	Factory set
Set date	To set date	Factory set
Daylight saving	To enable or disable daylight saving	Enabled
Clock format	To select 12h or 24h clock mode	12hr

Step 8: Changing the Batteries

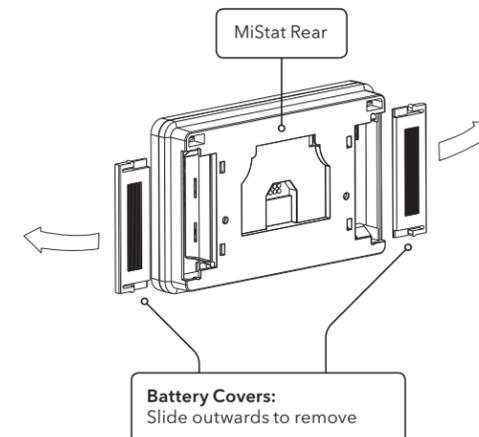
How do I know when to change the batteries?

When the batteries start to run low a battery icon will flash in the display to indicate "low battery", during this time the MiStat will function normally. When the battery icon alone is shown in the display, the batteries are completely exhausted and the MiStat will cease to function (see below). Re-activate by replacing the batteries.



How to replace the batteries

Remove the battery covers as shown. Replace the batteries with 2 x 1.5V IEC LR6 (AA) Alkaline batteries ensuring correct orientation. Replace the battery covers pressing fully home.



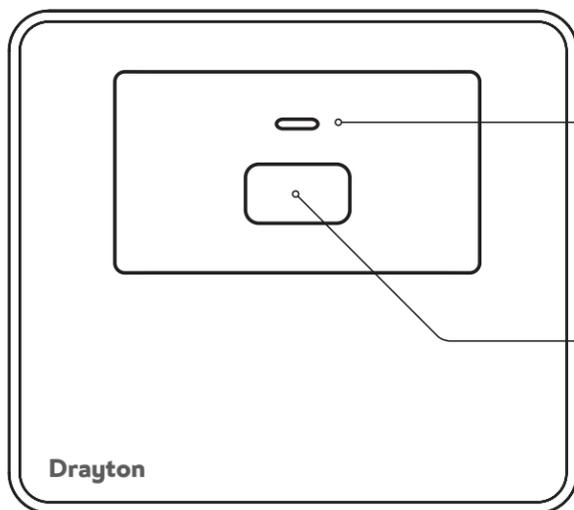
Battery Handling

Batteries, rechargeable or not, should not be disposed of into ordinary household waste. Instead, they must be recycled properly to protect the environment and cut down the waste of precious resources.

Your local waste management authority can supply details concerning the proper disposal of batteries.

In compliance with the EU Directive 2006/66/EC, the button cell battery located on the printed circuit board inside the product, can be removed at the end of the product life, by professional personnel only.

Step 9: Receiver - Key & LED



LED: See table below for details

Key: See table below for details

LED colour	Mode	Action	Key Function
Green	Normal	Call for heat (boiler is firing)	None
Green Flashing	Normal	RF communication	None
Off	Normal	No call for heat (boiler is not firing)	None
Red	RF loss or not bound	No call for heat	Switches the boiler On
Amber	RF loss or not bound	Call for heat	Switches the boiler Off

Troubleshooting

1	It is not warm early enough
a	Are time and temperature periods set correctly?
b	Is Optimum start switched on? (see Installation Guide Step 5 Installer settings/System settings)
c	Did the thermostat have enough time (a few days) to determine the room data?
d	Was the radio link established properly and is it still active? (see Installation Guide Step 5 Installer settings/Signal Strength)
2	Heating is starting earlier than set in the programme
a	Is the Optimum start switched on? (see Installation Guide Step 5 Installer settings/System settings)
3	Setting temperature values are restricted
a	Are Minimum/Maximum temperatures activated? (see Installation Guide Step 5 Installer settings/Zone settings)
4	No Signal is visible on the screen, no reaction on key presses anymore
a	Is the receiver powered? (Red signal lamp should be visible)
5	Service due or overdue is visible on the screen, no reaction on key presses
a	Check the service feature, see Installation Guide Step 5
6	Initialising... Press □ to force re-bind is visible on the screen, no reaction on key presses anymore
a	Is the receiver powered? (Red signal lamp should be visible)
7	Please wait... Press □ to force re-bind is visible on the screen, no reaction on key presses anymore
a	Is the receiver powered? (Red signal lamp should be visible)

User Programme:

Programme 1	All week		Week & Weekend or Individual Days			
	Mon-Sun		Mon-Fri		Sat-Sun	
	Time	Temp	Time	Temp	Time	Temp
1st event						
2nd event						
3rd event						
4th event						
5th event						
6th event						
7th event						
8th event						

Programme 3	All week		Week & Weekend or Individual Days			
	Mon-Sun		Mon-Fri		Sat-Sun	
	Time	Temp	Time	Temp	Time	Temp
1st event						
2nd event						
3rd event						
4th event						
5th event						
6th event						
7th event						
8th event						

Programme 2	All week		Week & Weekend or Individual Days			
	Mon-Sun		Mon-Fri		Sat-Sun	
	Time	Temp	Time	Temp	Time	Temp
1st event						
2nd event						
3rd event						
4th event						
5th event						
6th event						
7th event						
8th event						

User Notes: