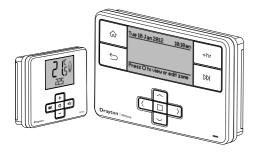
MiTime™ Programmer Series **RF Packs**

Single Channel: MiTime T710R Dual Channel: MiTime T720R, T720M Multi Channel: MiTime T740R, T740M



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A HOMEOWNER Guide

What is a room thermostat? ... an explanation for householders

A room thermostat simply switches the heating system on and off as necessary. It 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

Turning a 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 room thermostat to a lower setting will result in the room being controlled at a lower temperature, and saves energy

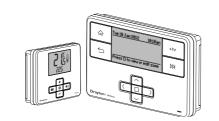
The heating system will not work if a time switch or programmer has switched it off.

The way to set and use your room thermostat is to find the lowest temperature setting that you are comfortable with, and then leave it alone to do its job. The best way to do this is to set the room thermostat to a low temperature - say 18°C - and then turn it up by one degree each day until you are comfortable with the temperature. You won't have to adjust the thermostat further. Any adjustment above this setting will waste energy and cost you more money.

If your heating system is a boiler with radiators, there will usually be only one 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.

Room thermostats need a free flow of air to sense the temperature, so they must not be covered by curtains or blocked by furniture. Nearby electric fires, televisions, wall or table lamps may prevent the thermostat from working properly.

A HOMEOWNER Guide



What is a programmer?

... an explanation for householders

periods. Some models switch the central heating and domestic hot water on and off at the same time, while others allow the domestic hot water and heating to come on and go off at different times.

lifestyle. On some programmers you must also set whether you want the heating and hot water to run continuously, run under the chosen 'On' and 'Off' heating periods, or be permanently off.

types have to be adjusted in spring and autumn at the changes between Greenwich Mean Time and British

You may be able to temporarily adjust the heating programme, for example, 'Override'. 'Advance' or

The heating will not work if the room thermostat has switched the heating off. Also, if you have a hot-water

will not work if the cylinder thermostat detects that the hot water has reached the

Programmers allow you to set 'On' and 'Off' time

Set the 'On' and 'Off' time periods to suit your own

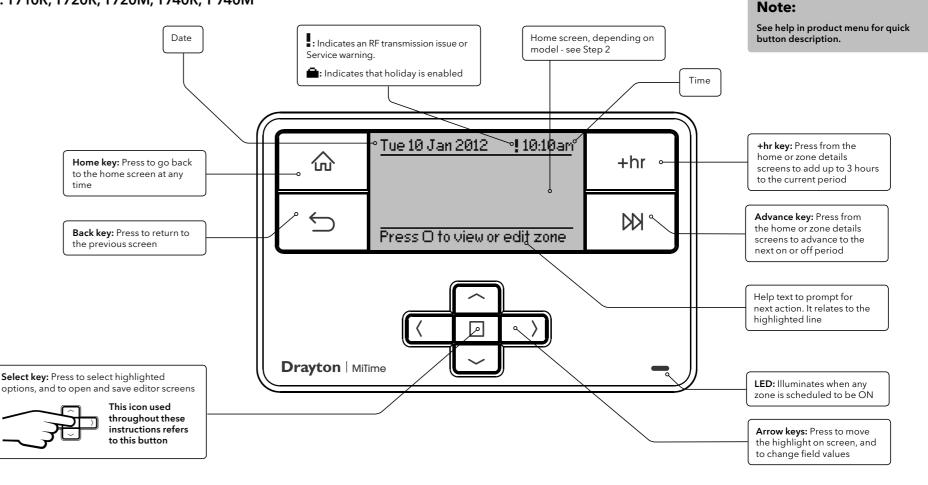
The time on the programmer must be correct. Some

'Boost'. These are explained in the manufacturer's

cylinder, the water heating

Step 1: Keys and Display - MiTime

RF Packs: T710R, T720R, T720M, T740R, T 740M



Step 2: Home Screens

... an explanation for householders

A cylinder thermostat switches on and off the heat supply from the boiler to the hot-water cylinder. It works by sensing the temperature of the water inside the cylinder, switching on the water heating when the temperature falls below the thermostat setting, and switching it off once this set temperature has been

What is a cylinder thermostat?

Turning a cylinder thermostat to a higher setting will not make the water heat up any faster. How quickly the water heats up depends on the design of the heating system, for example, the size of boiler and the heat exchanger inside the cylinder

The water heating will not work if a time switch or programmer has switched it off. And the cylinder thermostat will not always switch the boiler off, because the boiler sometimes needs to heat the

Cylinder thermostats are usually fitted between one quarter and one third of the way up the cylinder. The cylinder thermostat will have a temperature scale marked on it, and it should be set at between 60C and 65C, then left to do its job. This temperature is high enough to kill off harmful bacteria in the water, but raising the temperature of the stored hot water any higher will result in wasted energy and increase the risk of scalding

If you have a boiler control thermostat, it should always be set to a higher temperature than that of the cylinder thermostat. In most boilers, a single boiler thermostat controls the temperature of water sent to both the cylinder and radiators, although in some there are two separate boiler thermostats

Single Channel: MiTime T710R



Link to Settings

Settinas

Temp: describes the current status of the zone temperature, e.g. Temperature in zone is 21.0C and the setpoint is 21.5C Link to modify the zone temperature

Press O to change mode

See further details in Step 6

Now: describes the current status, e.g. programme is On until 12:00 am. Link to Programme timetable - see further details in Step 4.

Current mode: Auto

Dual Channel: MiTime T720R, T720M

Press Select (□) to view or edit zone

Zone = Heating Current status: the programme is On until 12:00 am Link to zone details, see Step 3

Tue 10 Jan 2012 Heating: On...12:00am Hwater: Off... 12:00am •Settings Press O to view or edit zone

> Zone = Hot Water Current status: the program Off until 12:00 am Link to zone details, see Step 3

Link to Settings See further details in Step 6

Multi Channel: MiTime T740R, T740M

Press Select (□) to view or edit zone

Zone = Heating Current status: the programme is On until 12:00 am

Link to zone details, see Step 3

Tue 10 Jan 2012 10:10am Heating: On...12:00am Hwater: Off...12:00am <

Zone3: AlwaysOff ↔ Settings Press O to view or edit zone

Zone = Zone 3

Current status: the programme is Always Off Link to zone details, see Step 3.

Zone = Hot Water

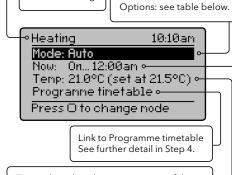
Current status: the programme is Off until 12:00 am, Link to zone details, see Step 3.

Link to Settings

See further details in Step 6.

Step 3: Zone Details





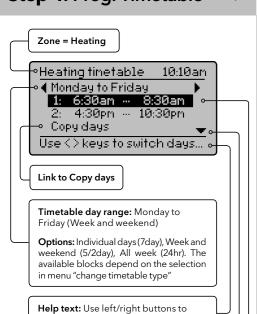
Temp: describes the current status of the zone temperature, e.g. Temperature in zone is 21.0C and the setpoint is 21.5C. Link to modify the zone temperature.

Now: describes the current status, e.g. programme is On until 12:00 am. Link to Programme timetable see further details in Step 4.



Press Select (□) to change mode

Mode:	Description:		
Auto	The programmer will control the ON & OFF times in line with the programmed timetable		
Always Off	The selected zone will be OFF		
Always On	The selected zone will be ON		
All Day (first on / last off)	st on / last ON & OFF times in line with the		



Arrow denotes that further options are available if you scroll down.

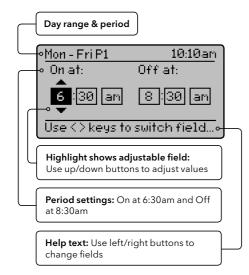
select the days you want to change

Period 1 settings: describes the current timetable settings, e.g. Heating has been programmed to turn On at 6:30am and go off at 8:30am

Period 2 settings: describes the current timetable settings, e.g. Heating has been programmed to turn On at 4:30pm and go off at 10:30pm

Press select (\square) when highlighted to adjust settings (see Step 5)

Up to 4 periods can be programmed



Step 5: Period Settings

Stored programmes

MiTime contains 3 pre-set programmes. An example is shown below. These programmes can be modified according to personal needs and can be stored by using a name. Via this name they also can be reloaded. 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 4.

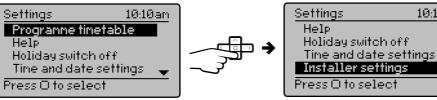
Programme 1	All week	Week & Weekend	
Example:	Mon-Sun	Mon-Fri	Sat-Sun
1st On	6:30am	6:30am	7:00am
1st Off	8:30am	8:30am	9:00am
2nd On	4:30pm	4:30pm	4:00pm
2nd Off	10:30pm	10:30pm	11:00pm

Note: Settings

made via the

changes can be

Step 6: Additional User Settings



Description:	Factory Pre-Set:
On & Off times for the current period can be	
modified. See description in 'Step 4'	
Will copy the current day to one or more other days	
Adds a Time event. It will be added at the correct position within the day. There is a maximum of 4 periods.	
Removes the selected period. There needs to be at least 1 period	
The visible day-blocks available in "programme timetable" can be defined, see Step 4	
Each day can be programmed individually	
Mon Fri and Sat Sun can be programmed as 2 blocks	Default
MonSun can be programmed as one block	
MiTime contains 3 pre-set programmes. These programmes 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 unless a System Reset is applied -see Installation Guide Step 4.	Programme 1
tored A pre-set programme can be loaded mme	
The current programme can be saved by name (Each pre-set program includes: Individual days, week/ weekend, all day and custom day schedules)	
	On & Off times for the current period can be modified. See description in 'Step 4' Will copy the current day to one or more other days Adds a Time event. It will be added at the correct position within the day. There is a maximum of 4 periods. Removes the selected period. There needs to be at least 1 period The visible day-blocks available in "programme timetable" can be defined, see Step 4 Each day can be programmed individually Mon Fri and Sat Sun can be programmed as 2 blocks MonSun can be programmed as one block MiTime contains 3 pre-set programmes. These programmes 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 unless a System Reset is applied see Installation Guide Step 4. A pre-set programme can be loaded The current programme can be saved by name (Each pre-set program includes: Individual days, week/

Feature:	Description:	Factory Pre-Set:
Help Tips	Describes the button functions	
Holiday switch off	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
Zones	Holiday mode can be applied to a specific zone or all zones	All zones
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 sett	ings	
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

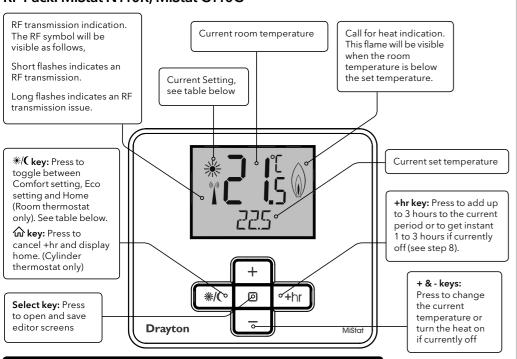
To select 12h or 24h clock mode

10:10am

1		Setting temperature values is restricted
	а	Are Minimum/Maximum temperatures activated? see Installation Guide Step 8.
2		NO SIGNAL is visible on the screen, no reaction on key presses anymore
	а	Is the receiver powered? (Red signal lamp should be visible)
	Ь	Is the room thermostat powered? see Homeowner Guide Step 9.
3		LOCKED is displayed on the room themostat
	а	see Installation Guide Step 8 - Screen Lock
4		Is the battery symbol visible?
	а	Replace batteries, see Homeowner Guide Step 9.
5		STARTING is visible on the thermostat screen, no reaction on key presses anymore
	а	Is the receiver powered? (Red signal lamp should be visible)
6		WAIT is visible on the thermostat screen, no reactio on key presses anymore
	а	Is the receiver powered? (Red signal lamp should be visible)

Step 7: Keys and Display - MiStat

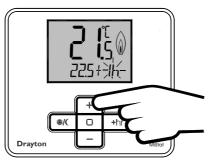
RF Pack: MiStat N110R, MiStat C110C



Selects the comfort setting. The pre-set value is used Comfort setting each time when activated, adjustable within the menu Selects the Eco setting. The pre-set value is used each Eco settina time when activated, adjustable within the menu. Indicates that the pre-set temperatures were changed Home screen

Step 8: +hr (Boost)

0



Press +/- to adjust +hr period between 0 and 3 hours Press (□) to confirm

Now the Boost is running. The time will be counted down each hour. Once the time has elapsed, control returns to the

prior temperature screen.

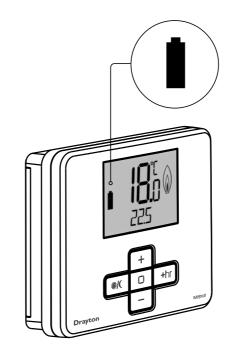
The Boost can be cancelled by pressing the (**/() key or by setting the +hr period to 0.

Step 9: Changing the Batteries

Clock format

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 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



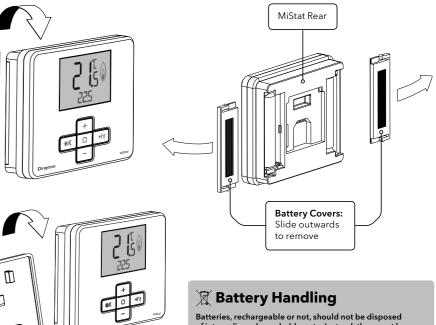
How to replace the batteries

12hr

Press Select to enter a specific

Setting. Options shown below:

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.



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.