Drayton

HOMEOWNER Guide

MiTime[™] Programmer Series Dual Channel

Model: T721R



Invensys

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What is a programmer?

... an explanation for householders Programmers allow you to set 'On' and 'Off' time 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. Set the 'On' and 'Off' time periods to suit your own 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.

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.

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

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



Step 4: Prog. Timetable



Arrow denotes that further options are available if you scroll down

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 (
) when highlighted to adjust settings (see Step 5)

2nd On

2nd Off

4:30pm

4:00pm

4:30pm

10:30pm 10:30pm 11:00pm

Up to 4 periods can be programmed

Step 1: Keys and Display



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	
Clock format	To select 12h or 24h clock mode	12hr	

✓ INSTALLATION Guide Step 1: Mounting the Wall-plate →

Step 2: Wiring

Step 3: Connection Charts



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Twinzone system: Model T721R



▲ IMPORTANT:

Installation must only be carried out by a qualified electrician or heating engineer.

Make sure mains input has a 3 amp fuse.

▲ CAUTION! Before installation, make sure the mains supply is switched off!



Connect the wiring as shown below. Option 1: Fitting a new wall-plate The ideal location is 1.2m above floor level, with reasonable lighting, good access, no condensation, no extremes of temperature and a supporting surface that fully covers the back of the unit. Position with 70mm clearance to the right, 25mm above and sufficient room to access the securing screws underneath. Fix, with terminals at the top, either direct to a flat wall using wall plugs and No. 6 x 1" (25mm) woodscrews, or on a flush mounting single conduit box type UA1 (BS4662) using M3.5 x 14 bolts. Option 2: Using an existing . wall-plate Loosen the securing screws

on the old programmer and unplug it. Check that there is 70mm clearance to the right of the wall-plate and 25mm above it. Check the wiring diagram for your product model to compare terminals and, if necessary, change the wiring of the wallplate to suit. Now plug the MiTime unit into the wall-plate and tighten the securing screws.

Check the 3A fuse, and switch on the mains.

Step 4: Installer Settings

From the Home screen, select Settings, then Installer settings as shown. Tue 10 Jan 2012 -10:10a 10:10a उन्ह leating: 0n...12:00ar Iwater: 0ff...12:00a ⋧₽⊾ Holiday switch off Time and date settings Installer settings ress () to selec ess O to select From here you can edit the assigned zones, rename them if required and adjust the Service settings. Installer settings 12:41p ne settinas 12:41 one1: Heating Zone settings ename zone **╤₽**≯ ु≵⊒•≯ ⋧₽≯ System settings Service settings Hwate Heating lse 🔿 keys to switch field... Press O to select ress () to select Press O to select

If using the Service feature, remember to set the Password when complete.



O Installer Notes:

Feature:	Description:	
Installer Settings	▲ CAUTION! These settings should only be modified b person. They can influence safety and the proper function	
Zone Settings	Customise the MiTime according to personal require	
Select zone	Select a zone for the following actions	
Rename zone	To rename an existing zone	
Delete zone	To delete an existing zone. The last zone cannot be deleted	
Add Zone	Add a new zone, apply a name & bind a thermostat. A time table can be applied.	
System Settings	These are the settings which will be applied to the Mi [*]	
View product information	View the product details, e.g. Part number, Firmware revision etc.	
Backlight settings	Available options are: On with timeout, Always On, Always Off	
Screen lock	Enable or disable the lock in the MiTime unit To Lock: Enter a 3 digit code for protection To Unlock: Enter the 3 digit code	
Powersave	To reduce power use when not being adjusted. Available options are: Powersave off, partial display with key data, no display until button press	
System Reset	Will reset all settings to factory pre-sets	
Service Settings	To help comply with regulation 36 of the Gas safety [In regulations 1998	
Si Status	Enable or disable Service mode	
Si Type	Select between, Reduced Comfort, Switched Off & No Effect (warnings only)	
Reduced comfort duration	Set the duration for the reduced comfort setting (0 to 60mins.)	
Si due date	Set the date the next boiler service is due	
Warning start	Set the number of days for the on-screen service due warning (0 to 60 days)	
Boost status	Enable or disable Service Boost	
No. of boosts	Set the number of Boosts to be available after service is due (1 to 99)	
Audible Alarm	Enable or disable Service Alarm	
Installer tel	Enter the Installer telephone number if required	
Set password	Set password to restrict access to the Service settings	





the MiTime programmer - and never fit it to a live

wall-plate!

Arrowed numbers relate to the junction box.

* Consult boiler handbook for details of pump overrun wiring.

Make the wiring connections, as shown, for the appropriate system. For surface wiring, snap out the cable entry strip on the bottom edge of the wall-plate. MiTime units are double-insulated and need no earth connection, but an earthing continuity (loop) terminal is provided for convenience

After wiring, plug in the unit and tighten the securing screws. Check the mains input has a 3A fuse, and switch on the mains.

▲ IMPORTANT:

Always switch off the mains before removing the MiTime programmer - and never fit it to a live wall-plate!

Technical Data

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Factory Pre-Set

MiTime T721R	
Voltage	230V a.c. +10% -10% 50Hz
Switch Rating	2 (1) A 230V a.c. each switch
Ambient temp	Operating: 0° to 45°C Storage: -20°C to 50°C
Without mains power	Display: blank Time: always kept Programme times: always preserved
Programming resolution	1 minute
Wiring	Fixed wiring only, to comply with current IEE regulations
Maintenance	Must be maintained by a qualified electrician or heating engineer
Pollution degree	2
Rated impulse voltage	2.5kV
Ball pressure test temperature	75°C
Relevant EC Directives:	2006/95/EC Low Voltage Directive 2004/108/EC Electromagnetic Compatibility Directive 2006/66/EC Battery Directive 2011/65/EU RoHS Directive
Applied Standards:	EN60730-1; EN60730-2-7

nly be modified by a quali the proper functioning of the sys personal requirements Heating, H Water zone cannot be Min. 1 Zone nd a thermostat. Max. 2 Zone applied to the MiTime unit umber. Firmwar out, Always On, On with neout Time unit 000 tection Master Code 401 ng adjusted. owersave of , partial display on press f the Gas safety [Install on & Use] Disabled , Switched Off & Reduced mfort mfort setting (0 15 min is due Today creen service due 30 days Disabled ilable after service Enabled er if required

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