Drayton

MiTime RF™

A comprehensive range of wireless control packs offering hassle-free solutions for all installations including zone control.

- Pre-bound wireless packs
- Two-way wireless connection
- 5 pack configurations
- **Easi**text on screen programming guide
- Ideal for zoning and multi-zoning

Featuring **new**

easitext™

On screen step-by-step guide

invensys

Complete Control

MiTime RF packs combine complimentary products from the **Mi** Series to give you complete control. The packs have been carefully configured to offer an appropriate solution for all installations.

Advanced Wireless Technology

The wireless products in every **Mi**Time RF pack are pre-bound for quick and easy installation, and feature two-way wireless connection using a robust 868 MHz frequency.

On the screen there is also a signal strength indicator enabling you to place products in optimal locations, therefore minimising call backs.

Wireless thermostats offer benefits for both installers and homeowners:

- Quick and easy installation – no wiring, pre-bound
- Hassle-free solution to meet zoning requirements
- No carpets and floor boards to lift
- No damage to wall coverings
- No unsightly surface wiring
- Positioning no longer restricted to areas accessible by cable runs
- No brick or plasterwork to chase out
- No risk of damage to fabrics and furnishings

Key Features

MiTime RF packs have been designed to make heating control simple. These readymade, pre-bound wireless packs include a range of features aimed at making installation quick and easy for the installer, and programming simple for the home owner.

- **easitext on screen step-by-step guide for simple programmimg**
- **A suite of contemporary products**
- **Design based on the format of familiar consumer electronics, with universally recognised buttons for ease of use**
- **Large backlit screen with now and next information**
- **TPI, TP and on / off algorithms**
- **Wireless signal strength indication**
- **Standard back plates on MiTime products**
- **Room thermostats can be freestanding (table stand included) or wall mounted**
- **1, 2, 3 / 4 channel options**
- **Ideal for zoning**
- **Choice of 12 or 24 hour clock**
- **Part L and Part P**

Easy Programming

All products in the Drayton **Mi** Series range feature **easi**text; innovative new on screen guidance that makes it simple for everyone to program and use their stylish new controls. Step-by-step on screen directions means users may never need to look at their instruction manual.

The navigation buttons and icons are instantly recognisable and similar to that of a remote control or mobile phone. The handy 'home' button means users can instantly navigate back to the main menu, and the 'back' button allows you to go back one screen at a time to make any adjustments.
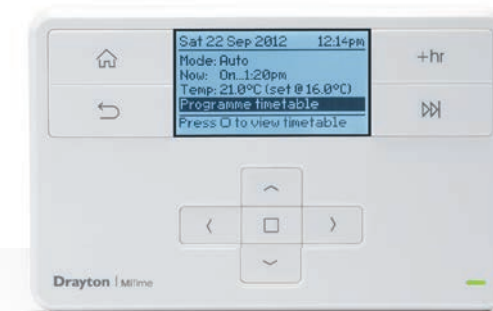
Easitext for easy use.

In research* carried out 90% of consumers and installers could programme the device without even looking at the instructions.

Featuring **new**

easitext™

On screen step-by-step guide

Programming example: Change the programme schedule in 3 easy steps (Model MT710R shown)

Press ⌂ to go back to the home screen.

Step 1
Scroll down to 'programme timetable' and press select ☐.

Step 2
Scroll and select the time period you want to amend. Use the horizontal arrows to change days.

Step 3
Use the vertical arrows to change the time and the horizontal arrows to move to the next field. Press select ☐ to confirm.

Scan to test out our **easi**text programming simulator.

''We've just done the two main functions in 30 seconds with no instructions''.

Homeowner

*Independent qualitative research carried out with 40 participants.

MiTime RF Packs

MiTime RF Packs offer a hassle-free wireless solution designed to meet Part L building regulations. From basic addition of a wireless room thermostat using packs 1, 2 or 3; to zoning in new and larger properties using Packs 4 and 5.

Pack 1 — Easy thermostat upgrade

Wireless enabled timeswitch: 1 channel, universal
Wireless room thermostat: Includes table stand

Product	Part Number
MiTime RF Pack 1	MT710R9K0900
MiTime Single Channel Timeswitch	MT710R1S0900
MiStat Room Thermostat	MN110R0S0900

Pack 2 — Easy thermostat upgrade

Wireless enabled programmer: 2 channel, universal
Wireless room thermostat: Includes table stand

Product	Part Number
MiTime RF Pack 2	MT720R9K0900
MiTime Dual Channel Programmer	MT720R1S0900
MiStat Room Thermostat	MN110R0S0900

Pack 3

Wireless enabled programmer: 2 channel, universal
Wireless room thermostat: Includes table stand
Wireless Cylinder Thermostat: Includes sensor

Product	Part Number
MiTime RF Pack 3	MT720M9K0900
MiTime Dual Channel Programmer	MT720R1S0900
MiStat Room Thermostat	MN110R0S0900
MiStat Cylinder Thermostat	MC110C0S0900
MiStat Cylinder Sensor	MC110S0S0900

Pack 4 — Ideal for zoning

Wireless enabled programmer: 3 / 4 channel, universal
2 x Wireless room thermostat: Includes table stands

Product	Part Number
MiTime RF Pack 4	MT740R9K0900
MiTime Multi Channel Programmer	MT740R1S0900
MiStat Room Thermostat	MN110R0S0900

Pack 5 — Ideal for zoning

Wireless enabled programmer: 3 / 4 channel, universal
2 x Wireless room thermostat: Includes table stands
Wireless Cylinder Thermostat: Includes sensor

Product	Part Number
MiTime RF Pack 5	MT740M9K0900
MiTime Multi Channel Programmer	MT740R1S0900
MiStat Room Thermostat	MN110R0S0900
MiStat Cylinder Thermostat	MC110C0S0900
MiStat Cylinder Sensor	MC110S0S0900

MiTime RF Pack Selector

MiTime RF Pack	Contents	Part No.	Recommended Application	Combination	Conventional	Zone Control
Pack 1	1 Channel, universal Programmer / Receiver, RF Room Thermostat	T710R	Provides time and temperature control, ideal for combination boilers. Upgrade your controls without the need for any re-wiring. Add an extra thermostat for basic zone control.	√		
Pack 2	2 Channel, universal Programmer / Receiver, RF Room Thermostat	T720R	Recommended for conventional boilers. Upgrade your time control and thermostat, and use with an existing wired cylinder thermostat. No additional wiring required.	√	√	
Pack 3	2 Channel, universal Programmer / Receiver, RF Room Thermostat, RF Cylinder Thermostat	T720M	Ideal for conventional boilers. Provides time and temperature control for heating and hot water. Wireless cylinder thermostat to help meet Part P regulations. No additional wiring.		√	
Pack 4	3/4 Channel, universal Programmer / Receiver, RF Room Thermostat x 2	T740R	Ideal for conventional boilers in new / larger properties. Existing cylinder thermostat can be wired in, and 2 wireless thermostats included for zone control of heating.	√	√	√
Pack 5	3 / 4 Channel, universal Programmer / Receiver, RF Room Thermostat x 2, RF cylinder thermostat	T740M	Designed for meeting regulations in new / larger properties. Provides a wireless cylinder thermostat for hot water and two thermostats for zone control of heating. A second cylinder thermostat or third heating zone can be added if required.		√	√

* Recommended applications, also suitable for other applications.

Product Details

Each **MiTime RF Pack** is made up of a combination of products from the **Mi** Series range. Each product is designed to work together to provide a wireless, hassle-free solution for every project.

MiTime Wireless Enabled Programmers

MiTime featuring new 'Advanced Service Interval'

- Features reduced comfort (adjustable duration), off or warning only options
- Includes boost feature and audible alarm
- Gives you the option to input installer phone number so it displays when the service is due
- Installer can select the required settings

- Universal programmes - 24hr, 5 / 2 day, 7day
- Industry standard back plate
- Built in wireless receiver with signal strength indication
- Up to 4 time periods per day, easily add or remove events
- 3 User programmes can be saved by name and restored

- 3 Pre-set and easily adjustable lifestyle programmes
- Pre-set clock with automatic summer / winter time updates and memory saver
- Access protection (screen lock)
- Enhanced holiday mode
- +hr (boost), giving 1, 2 or 3 hours
- ⏭ Advance button

MiStat Wireless Room Thermostat

MiStat Wireless Cylinder Thermostat

- TPI, TP and on / off algorithms available
- Pre-bound wireless connection with signal strength indication
- Just one button to change over between comfort and set-back temperatures
- Default comfort / set-back temperatures
- +hr (boost), giving 1, 2 or 3 hours
- 0.5°C setting steps and display resolution

- Pre-bound wireless connection
- +hr (boost), giving 1, 2 or 3 hours
- Designed to meet Part P regulations
- 5°C setting steps
- Min / max temperature setting
- Battery powered
- Stylish, compact design

Zone Control

Under Part L of the building regulations, zone control is a legal requirement in all new homes, and best practice in existing homes. Drayton offer five wireless packs to assist with meeting these regulations.

Zoning Requirements

- To achieve separate control in each zone, a zone valve should be fitted on pipework to control the flow of water.
- Each zone must have temperature control through a thermostat and TRVs.
- In dwellings up to 150 sq metres where hot water is produced by a combi boiler, only a single time control circuit is required.
  - For dwellings with a hot water cylinder, separate time control for the heating and hot water is needed.
- For properties over 150 sq metres, separate time control should be provided for each heating zone and for the hot water, unless the hot water is provided instantaneously.

- All timed circuits in all properties must have independent time control, either by:
  a) a separate timer or programmer on each circuit
  b) a full programmer with separate timing of heating and hot water
  c) a programmable room thermostat on each timed heating circuit, plus a timer on the hot water circuit
  d) a multi-channel programmer providing full control of each timed circuit from a central point.
- To provide hot water temperature control, a cylinder thermostat with a zone valve or three-port valve is required.
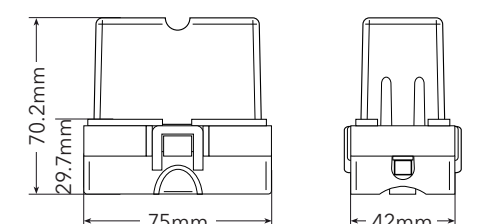
MiTime Programmer

125mm 23mm
80mm
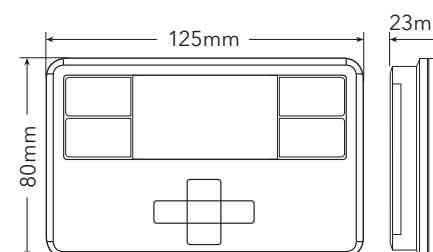
MiStat Room Thermostat and Cylinder Thermostat

85mm 23mm
75mm
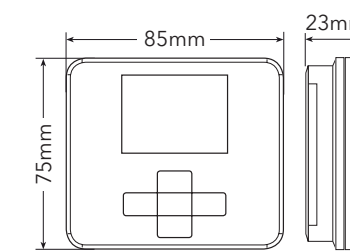
MiStat Cylinder Thermostat Sensor

70.2mm
29.7mm
75mm 42mm

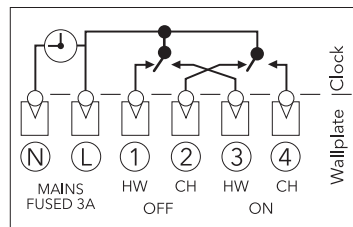# Technical Data

|	
Voltage	**Mi**Time: 230V a.c. +10% -10% 50Hz	**Mi**Stat: 2 x AA 1.5V alkaline batteries
Switch Rating	2 (1) A 230V a.c. each switch
Ambient Temperature	Operating: 0° to 45°C (**Mi**Time 3 / 4 channel 0° to 40°C, **Mi**Stat C 0° to 50°C) Storage: -20°C to 55°C
Without Mains Power	Display: blank; Time: always kept; Program times: always preserved
Programming Resolution	1 minute
Pollution Degree	2
Rated Impulse Voltage	2.5kV
Ball Pressure Test Temperature	75 ºC
Radio Frequency	868.3MHz (Bi-directional communication)
Radio Signal Range	30m typically. The range may be affected by the composition / density and the number of walls between the **Mi**Time and **Mi**Stat
Temperature Range	**Mi**Stat Room: 5 °C - 30 °C	**Mi**Stat Cylinder: 40 °C - 70 °C
Control Accuracy	**Mi**Stat Room: <0.6°C at 4° / hour	**Mi**Stat Cylinder: +0 / -8°C
Wiring	**Mi**Time: Fixed wiring only, to comply with current IEE regulations (BS7671) **Mi**Stat Room: No wiring required **Mi**Stat Cylinder: Ø 0.5mm² 2 core cable between sensor and MiStat
Mounting	**Mi**Time: Industry standard wall plate	**Mi**Stat: Wall bracket or table stand **Mi**Stat sensor: Direct mounting onto cylinder
Relevant EC Directives:	2006 / 95 / EC Low Voltage Directive; 2004 / 108 / EC Electromagnetic Compatibility Directive; 1995 /5 / EC R&TTE Directive; 2006 / 66 / EC Battery Directive; 2011 / 65 / EU RoHS Directive
Applied Standards:	EN60730-1; EN60730-2-7; EN60730-2-9; ETSIEN300 220-3; ETSIEN 301 489-3

Wiring Diagrams

1 Channel: T710R
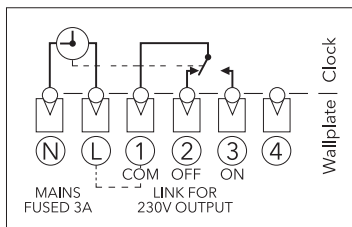
2 Channel: T720R, T720M

4 Channel: T740R, T740M
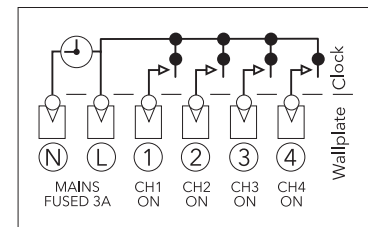
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