

Dataterm IHC Mk4



PLEASE READ THESE INSTRUCTIONS BEFORE CALLING US!

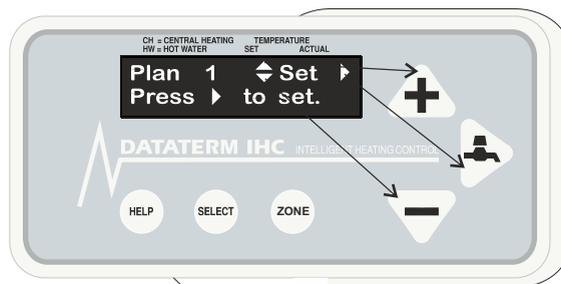
Dataterm IHC is an intelligent heating control. It has advanced abilities which a simple programmer and room thermostat cannot offer. It uses fuel economically and is dedicated to your comfort, it will save you money.

Dataterm IHC does the thinking for you, it has 11 in-built heating plans with the facility for 12 individual custom plans, that's 23 in total. Simply choose one to suit your needs and your heating and hot water will run so efficiently that you will save £'s. It can even turn off when you are on holiday and switch back on for your return. Using any one of the 12 custom plans Dataterm IHC will give you exactly the temperature at the time required, with up to 8 set-points per day along with the option to control up to 4 heating zones.

On the next page you will see how easy it is to put Dataterm IHC to work. The built-in clock is already set and the temperature calibrated, it even has plan 19 set so that it can work straight from the box...The help button shows you how long the heating has been on over the last 2 days and gives a total run time as well as context sensitive help messages to guide you.

User Guide March 2022

See What's Happening: 1



- Use + key to temporarily raise the temperature & turn on heat.
- The tap key is used to boost hot water & move across screen.
- Use - key to temporarily lower the temperature & turn heat off.

The Plus, Minus and Tap keys shown above also act as Up, Down and Right arrows, these are displayed on the screen when editing or setting plans and options. The position of the cursor is shown on the screen in the way of a flashing oblong.

The Key is used to enter the Dataterm Menu, press followed by the Key to scroll through the options available, **Set Plan, Set Clock, Set Date and Exit...**

Set Plan - This option will allow you to select the required heating plan, any one of the 11 pre-set plans or any 1 of 12 personal plans.

Set Clock - If the clock needs adjusting this is where it can be done, the Dataterm has been made with British Summer / Winter time adjustment built in.

Set Dates - The current date and any holiday start and end dates can be entered here so that the Dataterm takes care of your heating even while your away.

Exit - Press to exit back to the main display, pressing whilst displaying other menu items will enter that mode.

Press and hold the key to extend the heating for 1 hour or press again for 2 or 3 hours at the current room temperature, to cancel press and hold the key. Once in extend mode the temperature can be adjusted to suit if required.

At the end of the heating extension the plan will revert to the relevant set-point in the plan at that time!

Setting a Zone 2

Press once to change the heating zone displayed.

Once the desired heating zone number is shown you will be able to edit the plan, boost or lower the heat or calibrate the relevant heating zone.

Hot water control is available whilst in any zone, however the hot water MUST be associated with the plan running in zone 1.

Loading a Plan 3

Press once to enter the menu, you will now see "Set-Plan", at this point press to enter then press or to choose your desired Plan No., now press the key twice to set the plan.

"Plan Set You Need Do No More" will be shown on the display!

Setting the Clock 4

Press once to enter the menu, now press the key until you see "Set-Clock" now press the key to enter the clock. Using the & keys you can change the time and day (use the key to move across the screen).

When done press to return to the main screen.

Dataterm has been manufactured with the 1 hour change for summer / winter time built in so it should only be necessary to set the time once. Tap key could also be a right arrow key!

Personal Plans 6

Press once to enter the menu, now press the key again, at this point press or to choose your desired Plan No, 1-12 are personal plans that can be edited for your own use.

Now press the key followed by the then the key to edit, you can now enter the times and temperatures you require.

The cursor can now be seen flashing on the 1st letter of the 1st day. Using the & keys it is possible to enter times and temperatures, moving across the screen as always with the key.

There are 8 set-points for each day of the week, to scroll through each day put the cursor on the day and press + or - to select the set-points 1 through to 8.

Setting the Date 5

Press once to enter the menu, now press the key until you see "Set-Dates" now press the key to enter the Date mode... The 1st entry is for Holiday **Start Date**, press again to see **End Date** and **Current Date...**

Using the & keys you can change the date, (use the key to move across the screen).

To finish press to return to Set Plan, then press key to **Exit** then press to return to the main screen.

Personal Plans Cont'd

After Set-point 8 you will see the Hot Water Part of the plan, pressing the key will move you to the middle where you can enter **ON** or **OFF** by using the key once for **ON** and twice for **OFF**, pressing will cancel the instruction.

Once you have entered your hot water plan you get the option to copy the heating and hot water from Monday to Sunday by pressing the key once. If you wish you can then further edit individual days / weekends to suit, making programming quick and easy by using the + and - Keys.

To finish press followed by the key twice... **HW 1-8 are available for each day!**

User Plans 1-12	User definable (blank, time and temperature requirements needed.) Please refer to Section 6.									
Pre-Set Plans 13-23	Built in ready to run plans, Please refer to Section 3.									
Plan 13	Warm All Day 6:30 Am									
Mon - Fri	06:30	20°C	17:00	21°C	19:00	22°C	22:00	14°C		
Sat	08:00	20°C	17:00	21°C	19:00	22°C	23:00	14°C		
Sun	01:00	14°C	08:30	20°C	17:00	21°C	19:00	22°C	22:30	14°C
H W	06:30	ON	08:30	OFF	13:00	ON	14:00	OFF	18:00	ON 22:00 OFF
Plan 14	Warm All Day 7:00 Am									
Mon - Fri	07:00	20°C	17:00	21°C	19:00	22°C	22:30	14°C		
Sat	08:00	20°C	17:00	21°C	19:00	22°C	23:00	14°C		
Sun	01:00	14°C	08:30	20°C	17:00	21°C	19:00	22°C	22:30	14°C
H W	07:00	ON	09:00	OFF	13:00	ON	14:00	OFF	18:00	ON 22:30 OFF
Plan 15	Warm All Day 7:30 Am									
Mon - Fri	07:30	20°C	17:00	21°C	19:00	22°C	22:30	14°C		
Sat	08:00	20°C	17:00	21°C	19:00	22°C	23:00	14°C		
Sun	01:00	14°C	08:30	20°C	17:00	21°C	19:00	22°C	22:30	14°C
H W	07:00	ON	09:00	OFF	13:00	ON	14:00	OFF	18:00	ON 22:30 OFF
Plan 16	Mid All Day 7:30 Am									
Mon - Fri	07:30	18°C	17:00	19°C	19:00	20°C	22:30	12°C		
Sat	08:00	18°C	17:00	19°C	19:00	20°C	23:00	12°C		
Sun	01:00	12°C	08:30	18°C	17:00	19°C	19:00	20°C	22:30	12°C
H W	07:00	ON	09:00	OFF	13:00	ON	14:00	OFF	18:00	ON 22:30 OFF
Plan 17	Mid All Day 8:15 Am									
Mon - Fri	08:15	18°C	17:00	19°C	19:00	20°C	23:30	12°C		
Sat	08:30	18°C	17:00	19°C	19:00	20°C	23:30	12°C		
Sun	01:00	12°C	09:00	18°C	17:00	19°C	19:00	20°C	23:30	12°C
HW	08:00	ON	10:00	OFF	18:00	ON	23:30	OFF		
Plan 18	Cool All Day 8:15 Am									
Mon - Fri	08:15	16°C	17:00	17°C	19:00	18°C	23:30	10°C		
Sat	08:30	16°C	17:00	17°C	19:00	18°C	23:30	10°C		
Sun	01:00	10°C	09:00	16°C	17:00	17°C	19:00	18°C	23:30	10°C
HW	08:00	ON	10:00	OFF	18:00	ON	23:30	OFF		
Plan 19	Warm Out Day 7:00 Am									
Mon - Fri	07:00	20°C	08:30	14°C	17:00	20°C	18:00	21°C	19:00	22°C 22:30 14°C
Sat	08:00	20°C	17:00	21°C	19:00	22°C	23:00	14°C		
Sun	01:00	14°C	08:30	20°C	17:00	21°C	19:00	22°C	22:30	14°C
H W	07:00	ON	09:00	OFF	18:00	ON	22:30	OFF		
Plan 20	Mid All Day 9:00 Am									
Mon - Fri	00:00	12°C	09:00	18°C	17:00	19°C	19:00	20°C		
Sat	00:00	12°C	08:30	18°C	17:00	19°C	19:00	20°C		
Sun	00:00	12°C	01:00	12°C	09:00	18°C	17:00	19°C	19:00	20°C
HW	08:00	ON	10:00	OFF	18:00	ON	23:30	OFF		
Plan 21	Mid Out Day 8:15 Am									
Mon - Fri	08:15	18°C	09:00	14°C	18:00	18°C	19:00	19°C	20:00	20°C 22:30 12°C
Sat	08:30	18°C	18:00	19°C	19:00	20°C	23:00	12°C		
Sun	01:00	12°C	09:00	18°C	18:00	19°C	19:00	20°C	22:30	12°C
HW	08:00	ON	10:00	OFF	18:00	ON	23:30	OFF		
Plan 22	Cool Out Day 8:15 Am									
Mon - Fri	08:15	16°C	09:00	12°C	18:00	16°C	19:00	17°C	20:00	18°C 22:30 10°C
Sat	08:30	16°C	18:00	17°C	19:00	18°C	23:00	10°C		
Sun	01:00	10°C	09:00	16°C	18:00	17°C	19:00	18°C	22:30	10°C
HW	08:00	ON	10:00	OFF	18:00	ON	23:30	OFF		
Plan 23	Holiday Plan 12°C 24/7 NO Hot Water									
Mon - Fri	08:00	12°C	23:00	12°C						
Sat	08:00	12°C	23:00	12°C						
Sun	08:00	12°C	23:00	12°C						

You are the owner of one of the most up to date heating controls on the market today, listed below are the main features that make Dataterm the leader in its field...

Active Boost

This feature really adds value to the Dataterm by allowing you to boost the heating for 1,2 or 3 hours at the desired temperature.

Simply press and hold the **+** key until you see **CH Override +1 Hour** a single press of the **+** key will increase the override by a

further hour **CH Override +2 Hours** or **CH Override +3 Hours** to cancel the boost just press and

hold the **-** key. When in boost mode the display will look like this showing

you the **CH on 20°C 18°C HW off Ovr. 0h58m** remaining time of the boost, if you require a warmer

temperature just press the **+** key to set the desired set-point after the boost is set.

Pre-heat Time

Dataterm works out the best time to switch on to give you the desired temperature at the required time, this will be before the time set in your plan!

Your display will flash the set-point and "Pre" to tell you it is in Pre-Heat and preparing to achieve the temperature required according to your plan. This will stop once the set-point time is reached.... and could look something like this

CH on 20°C 18°C HW off Wed 07:45 and this **CH on Pre 18°C HW off Wed 07:45**

Different Settings for Different Days

Each day can be different and we have made setting up a personal plan as easy as possible, simply set your heating using set-points 1 to 8 on Monday then proceed to enter the hot water set-points for the same day. Not all 8 set-points have to be used but they should be used in order! When you go past HW set-point 8 you get the option to COPY. This will copy ALL of your settings through all 7 days, simply edit the days you want to be different. Then set your plan as laid

out under section 6 of this guide, PERSONAL PLANS.

Zones and the Zone Button

Your Dataterm has a **Zone** button and is only active on controllers that have 2 to 4 heating zones. Pressing the Zone Button will change the zone number displayed and any changes made will apply to that zone.

Each zone has its own Pre-Heat and Optimisation Curve, a zone can have the same plan as the other zones or a different one, its up to you but hot water must be set in the plan loaded on Zone 1!

Wireless Sensors

Every Dataterm has the option for up to 4 wireless sensors, the sensors operate very efficiently and battery life is in excess of 2 years. When the batteries need changing the Dataterm will display a "b" next to the actual temperature, simply replace the batteries as soon as possible with 2 Duracell AA ones as originally supplied.

Each sensor is unique to the programmer and has its own Site Code and Zone number so there is no danger of your neighbours talking to yours...

Optimisation

It is important to realise a different way of thinking when it comes to Dataterm, you tell it what time you would like it to be warm and it will decide what time it turns the boiler on to achieve this. You DO NOT need to tell it to pre-heat just tell it the time you want it to be warm by.

Heating Mode

Dataterm has 3 different heating modes and these are Economy, Normal and Comfort.

Economy - this mode has fuel savings in mind and will save you money over providing comfort. Some set-points may not always hit temperature on time!

Normal - this is the default mode, Dataterm will give you a balanced approach to heating allowing you some fuel savings with increased comfort.

Comfort - If you have a difficult to heat building due to its size or an underfloor heating system this mode will give you maximum comfort.

All modes will help reduce fuel spend on an annual basis!