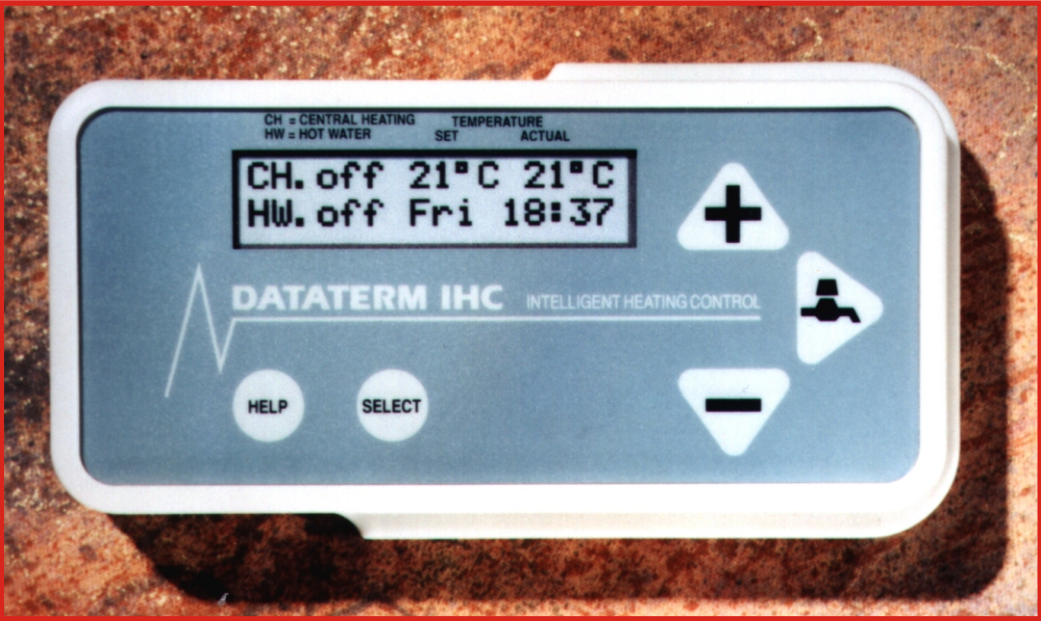# Dataterm IHC Combi User Guide

What is Dataterm IHC?

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.

How does it Work?

Dataterm IHC does the thinking for you, it has 30 inbuilt heating plans and the facility for 3 individual custom plans. Simply choose one to suit your requirements and your heating will be run efficiently for as long as you wish.

Using any one of the 3 custom plans Dataterm IHC will give you exactly the temperature at the time required, with up to 8 set-points per day. This should cater for the most demanding life styles.
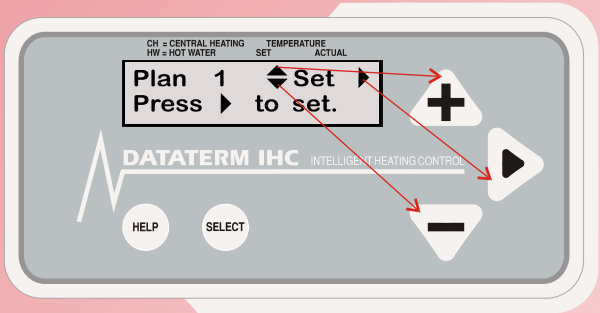
What Next?

On the next page you will see how easy it is to put Dataterm IHC to work. The built-in clock is already accurately set and needs adjusting only twice a year for summer / winter time. Apart from that all you need do is choose a plan to suit

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See What's Happening: 1

The Display Screen and Keys.

| Plan 1 ⬍ Set ▶ |
| Press ▶ to set. |

+ Use this key to temporarily raise the temperature and turn the heat on.

▶ The tap key is used to boost hot water and to move across the

− Use this key to temporarily lower the temperature and turn the 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.▫

How to load a plan 2

| CH. off 20°C 21°C |
| HW. off Fri 8:30 |

Press **SELECT** Once

| Plan 10 ⬍ Set ▶ |
| 7:30 Mid All Day |

Use **+** or **−** to find a plan from 1 to 33

| Plan 2 Edit ⬍ |
| Use ⬍ or ▶ Set ▶ |

Use **▶** to set the plan

| Plan 2 ⬍ Set ▶ |
| Press ▶ to set. |

Use **▶** to confirm this

| Plan 2 set. You |
| need do no more! |

Done

Setting the Clock 3

Summer and Winter Time.

| CH. off 20°C 21°C |
| HW. off Sun 8:30 |

Press **SELECT** Twice

| Set Clock |
| 8.30 Sunday |

Press **+** or **−** to change the hour

Use **▶** for minutes & days

| CH. off 20°C 21°C |
| HW. off Sun 9:30 |

Press **SELECT** to return to normal display

Viewing time and temperature settings 4

Press **SELECT** then **+** or **−** to select required plan, then press **▶** followed by **+**

And then **▶** view the set-points by using **+** or **−** When finished press **SELECT** 4 times.

Creating a personal plan: 5

Personal Plans 1,2 & 3 are for you to create. Simply follow the instructions below and enter the times and temperatures you require.

| CH. off 20°C 21°C |
| HW. off Fri 8:30 |

Press **SELECT** Once

| Plan 1 ⬍ Set ▶ |
| Personal Plan 1 |

Press **+** or **−** to reach personal plans 1,2 or 3

| Plan 2 ⬍ Set ▶ |
| Personal Plan 2 |

Press **▶** to confirm your choice

| Plan 2 Edit ▶ |
| Use ⬍ or ▶ Set ▶ |

Press **+** and then **▶** to begin editing

Begin Editing. #1 is the first of mondays 8 set-points.

| Editing plan 2. |
| Mon#1 °C 0:00 |

Press **▶** & **+** or **−** to set chosen temperature

| Editing plan 2. |
| Mon#1 18°C 7:00 |

Press **▶** & **+** or **−** to fix set-point hour

| Editing plan 2. |
| Mon#1 18°C 7:20 |

Press **▶** & **+** or **−** to fix minutes (5 minute increments)

| Editing plan 2. |
| Mon#2 --°C --:-- |

Press **▶** & **+** or **−** to progress through the 8 set-points

If your set-points for Monday are the same for all days of the week then press **+** until you see this display [Editing plan 1. Copy Mon-Sun. ▶] then press **▶** the plan is now copied and all that remains is to program the hot water or continue as above to enter the individual daily set-points.

Hot Water 6

Pressing **−** will run through all of the days, when you reach "HW#1" Stop This is set-point #1 for the hot water. Press **▶** once followed by **+** once, this will give an "ON" press **+** again for an "OFF" Press **▶** followed by **+** to set hour press **▶** again to set minute followed by **+** again then **▶** to set HW#2 and so on until you have finished.

Setting a plan

Press **SELECT** once followed by **▶** twice = [Plan 2 set. You need do no more!] Done

DataTerm IHC comes with 30 built in plans and 3 user definable plans, these are numbered in the following way,

1-3   User definable   (blank, time and temperature requirements needed.)
4-33   Built in ready to run plans, Please refer to 2 or 5 over leaf for help on selecting a plan

Plans 1,2,& 3 User Definable.   Temperatures in **BLUE** represent **OFF** and **ON** in **RED**

PLAN 4   Warm All Day

Mon - Fri	06:30 20C	17:00 21C	19:00 22C	22:00 14C		
Sat	08:00 20C	17:00 21C	19:00 22C	23:00 14C		
Sun	01:00 14C	08:30 20C	17:00 21C	19:00 22C	22:30 14C	

PLAN 5   Cool All Day   *Heating as 4 above but generally 4C lower*

PLAN 6   Warm All Day

Mon - Fri	07:00 20C	17:00 21C	19:00 22C	22:30 14C		
Sat	08:00 20C	17:00 21C	19:00 22C	23:00 14C		
Sun	01:00 14C	08:30 20C	17:00 21C	19:00 22C	22:30 14C	

PLAN 7   Mid All Day   *Heating as 6 above but generally 2C lower*

PLAN 8   Cool All Day   *Heating as 6 above but generally 4C lower*

PLAN 9   Warm All Day

Mon - Fri	07:30 20C	17:00 21C	19:00 22C	22:30 14C		
Sat	08:00 20C	17:00 21C	19:00 22C	23:00 14C		
Sun	01:00 14C	08:30 20C	17:00 21C	19:00 22C	22:30 14C	

PLAN 10   Mid All Day   *Heating as 9 above but generally 2C lower*

PLAN 11   Cool All Day   *Heating as 9 above but generally 4C lower*

PLAN 12   Mid All Day

Mon - Fri	08:15 18C	17:00 19C	19:00 20C	23:30 12C	
Sat	08:30 18C	17:00 19C	19:00 20C	23:30 12C	
Sun	01:00 12C	09:00 18C	17:00 19C	19:00 20C	23:30 12C

PLAN 13   Cool All Day   *Heating as 12 above but generally 2C lower*

PLAN 14   Mid All Day

Mon - Fri	00:00 12C	09:00 18C	17:00 19C	19:00 20C	
Sat	00:00 12C	08:30 18C	17:00 19C	19:00 20C	
Sun	00:00 12C	01:00 12C	09:00 18C	17:00 19C	19:00 20C

PLAN 15   Cool All Day   *Heating as 14 above but generally 2C lower*

PLAN 16   Warm Out All Day

Mon - Fri	08:00 20C	13:00 14C	17:00 20C	18:00 21C	19:00 22C	22:30 14C
Sat	08:00 20C	17:00 21C	19:00 22C	23:00 14C		
Sun	01:00 14C	08:30 20C	17:00 21C	19:00 22C	22:30 14C	

PLAN 17   Cool Out All Day   *Heating as 16 above but generally 4C lower*

PLAN 18   Warm Out All Day

Mon - Fri	07:00 20C	08:30 14C	17:00 20C	18:00 20C	19:00 22C	22:30 14C
Sat	08:00 20C	17:00 21C	19:00 22C	23:00 14C		
Sun	01:00 14C	08:30 20C	17:00 21C	19:00 22C	22:30 14C	

PLAN 19   Mid Out All Day   *Heating as 18 above but generally 2C lower*

PLAN 20   Warm Out All Day

Mon - Fri	07:30 20C	08:30 14C	17:00 20C	18:00 21C	19:00 22C	22:30 14C
Sat	08:00 20C	17:00 20C	18:00 21C	19:00 22C	23:00 14C	
Sun	01:00 14C	08:30 20C	17:00 20C	18:00 21C	19:00 22C	22:30 14C

PLAN 21   Cool Out All Day   *Heating as 20 above but generally 4C lower*

PLAN 22   Mid Out All Day

Mon - Fri	08:15 18C	09:00 14C	18:00 18C	19:00 19C	20:00 20C	22:30 12C
Sat	08:30 18C	18:00 19C	19:00 20C	23:00 12C		
Sun	01:00 12C	09:00 18C	18:00 19C	19:00 20C	22:30 12C	

PLAN 23   Cool Out All Day   *Heating as 22 above but generally 2C lower*

PLAN 24   Warm Out Day + Lunch Time

Mon - Fri	07:00 20C	08:30 14C	12:30 18C	14:00 14C	17:00 20C	18:00 21C	19:00 22C	22:30 14C
Sat	08:00 20C	17:00 20C	18:00 21C	19:00 22C	23:00 14C			
Sun	01:00 14C	08:30 20C	17:00 20C	18:00 21C	19:00 22C	22:30 14C		

PLAN 25   Mid Out Day + Lunch   *Heating as 24 above but generally 2C lower*

PLAN 26   *COMMERCIAL 08:00 - 17:30 5-DAY WEEK*   21C & 12C

Mon - Fri	08:00 21C	17:30 12C	18:30 12C
Sat	17:30 12C		
Sun	17:30 12C		

PLAN 27   *COMMERCIAL 08:00 - 18:00 5-DAY WEEK*   21C & 12C

PLAN 28   *COMMERCIAL 08:30 - 17:30 6-DAY WEEK*   21C & 12C

PLAN 30   *BACKGROUND HEAT ALL DAY*

Mon - Fri	08:00 14C	11:00 14C	13:00 14C	15:00 14C	17:00 14C	19:00 14C	21:00 14C	23:00 10C
Sat	08:00 14C	11:00 14C	13:00 14C	15:00 14C	17:00 14C	19:00 14C	21:00 14C	23:00 10C
Sun	08:00 14C	11:00 14C	13:00 14C	15:00 14C	17:00 14C	19:00 14C	21:00 14C	23:00 10C

PLAN 31   *Heating as 30 above but temperatures generally 2C higher*

PLAN 32   *Holiday Plan - No Hot Water   7C 24 hours*

Mon - Fri	08:00 07C	11:00 07C	13:00 07C	15:00 07C	17:00 07C	19:00 07C	21:00 07C	23:00 07C
Sat	08:00 07C	11:00 07C	13:00 07C	15:00 07C	17:00 07C	19:00 07C	21:00 07C	23:00 07C
Sun	08:00 07C	11:00 07C	13:00 07C	15:00 07C	17:00 07C	19:00 07C	21:00 07C	23:00 07C

PLAN 33   *Holiday plan as 32 above but 12C 24 hours*

◆ **How does Dataterm differ from an ordinary room thermostat?**
It learns how your building responds to heating and cooling, and uses this memorized data to avoid atmospheric variations.

◆ **How do I guess the `early start` time for my heating, to be warm when I get up?**
You don`t need to any more. Dataterm will get you to within 1°C of your set temperature on time, to give you comfort without wasting your money.

◆ **Does this mean that Dataterm takes decisions away from me...so I`m not in control?**
Just the opposite. Dataterm obeys `set-point` instructions, creating warmth at the levels you choose, at times you dictate - offering up to 8 periods a day, without fuss.

◆ **Does this involve much complex plan programming, with so many possible variations?**
No. There are 30 built-in plans, and the green section on the other side of this guide shows how to get any plan working instantly.

◆ **How do I review or check all the set-point times & temperatures in these built-in plans?**
You need to use the 'view' function of Dataterm: press the SELECT key, then the tap symbol key, then the + key and the tap key again, you can view the set-points for any plan.

◆ **What can I do if none of these built-in plans are really suited to my needs?**
Dataterm gives you the power to create (`edit`) your own personal plans, so you can store three different custom built plans in the three memories provided.

◆ **What do the symbols on the Dataterm display screen mean?**
Dataterm control is designed around three arrows - shown as small black triangles on the screen. When a screen arrow flashes, for action just press the same shape key.

◆ **What can I do if I need help in the middle of adjusting Dataterm?**
Easy. Use the HELP button, and the screen messages will steer you to safety. Because they are context-sensitive, they relate to the topic you need help with.

◆ **Can I over ride a heating plan which is already running automatically?**
Yes, at any time. Press the plus or minus buttons to change temperature temporarily, and the heating plan will resume when the next set-point comes along

◆ **Does Dataterm start the heating at once when I ask for more warmth?**
Yes. For a short period while it thinks about the temperature in the building, it could switch off before it stays on to give the required temperature.

◆ **What else will Dataterm do?**
Dataterm will protect your building from frost and can reduce condensation, depending upon the heating plan you have chosen.

◆ **Is there any way of knowing how long my heating has been on?**
Dataterm will give running totals for how long heating has been switched on. Simply press the HELP key during normal operation.

◆ **Can I choose temperatures to be shown as Celsius (C) or Fahrenheit (F)?**
Yes. However, this is an adjustment which you should ask your installer to arrange to be carried out for you.

◆ **Who do I contact for help or advice with Dataterm?**
The HELP button displays a series of screens: the last one gives a 'phone help number.

Answers to most commonly asked questions...