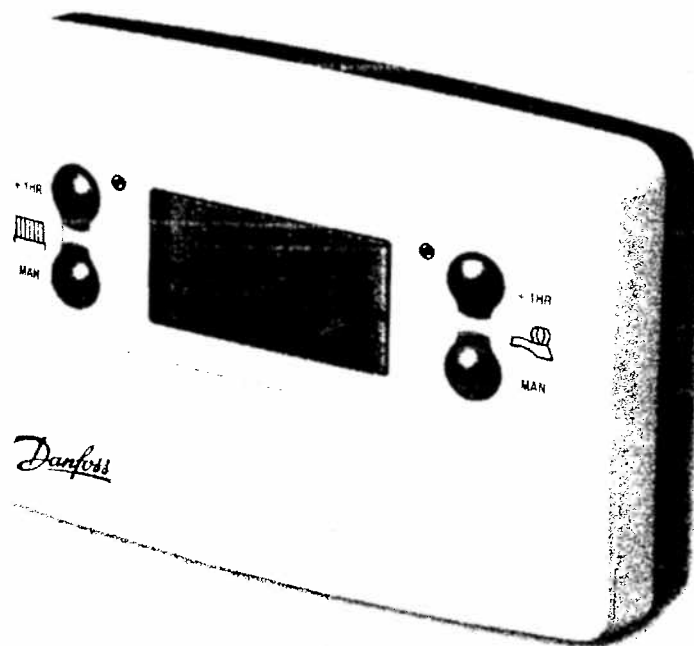


FP715

*Electronic 2-channel
full programmer for
heating & hot water*

Installation & User Instructions



This product complies with the following EC Directives:
Electro-Magnetic Compatibility Directive.
(EMC) (89\336\EEC), (92\31\EEC)
Low Voltage Directive.
(LVD) (73\23\EEC), (93\68\EEC)

CE

Danfoss

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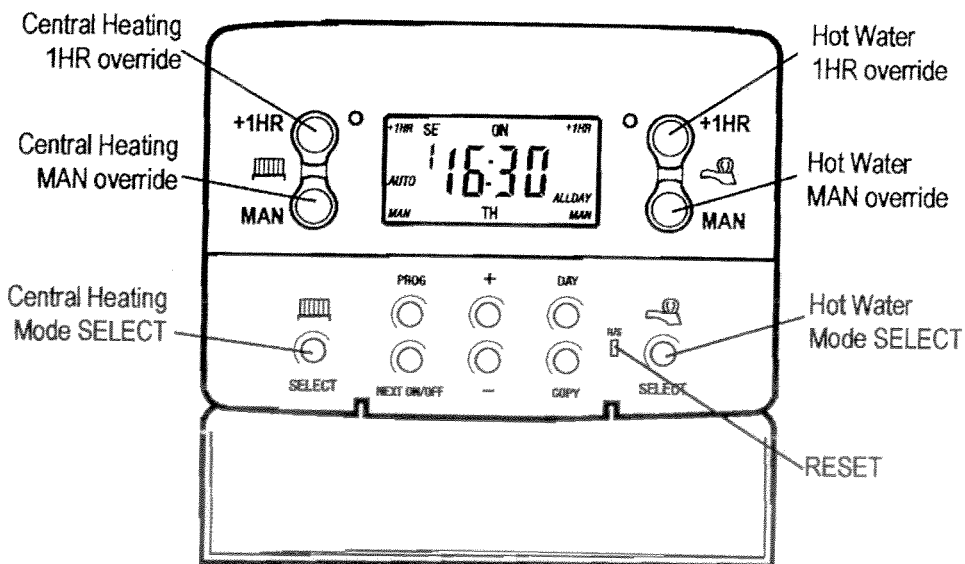
Installation

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User Instructions

Your programmer

The FP715 allows you to switch your heating and hot water on and off at times that suit you.

You can programme up to 3 ON/OFF times per day for the heating and the hot water and the two systems can be operated independently.

Overview & Preset Programmes

Preset Programmes

Your FP715 comes ready programmed with a set of operating times which often suit most people.

Event No.	Hot Water & Heating	Mon-Fri	Sat-Sun**
1	1st ON	6:30	7:30
2	1st OFF	8:30	10:00
3*	2nd ON*	12:00*	12:00*
4*	2nd OFF*	12:00*	12:00*
5	3rd ON	17:00	17:00
6	3rd OFF	22:30	22:30

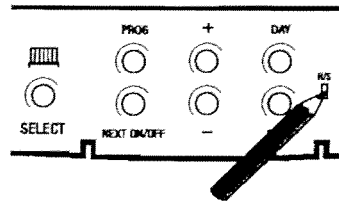
* Not applicable if unit set to 2 ON/OFFs per day by installer
**Not applicable if unit set to 24 hour mode by installer
See page 17 for explanations of different settings

If you want to change any of these settings, you can do so by following the instructions on pages 17-23. First, follow the steps on page 15-16 to set the correct time and date.

Before you start

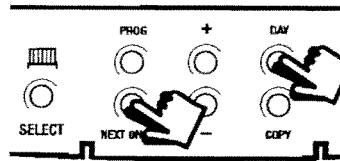
Open the flap on the front of the clock. Press the **RESET** button using a non-metallic object (e.g. pencil/matchstick) until you hear a click and the 2 red lights on the front of the unit flash once.

This will reinstate the preset programmes and set the time to 12.00pm on Monday (MO)



Choice of 24hr or AM/PM display

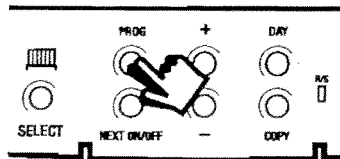
Press and hold **DAY & NEXT ON/OFF** for 1.5 seconds to toggle between 24hr clock and AM/PM display, as required.



Setting the correct Time and Day

SETTING THE TIME

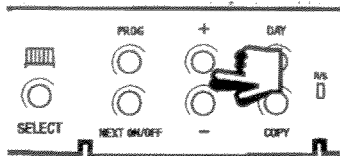
Press **PROG** once.



The words **SET TIME** will appear at the top of the display & the time will flash on and off.



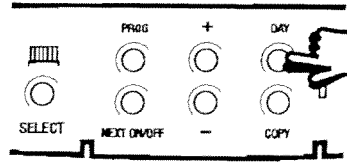
Use the **+ and - buttons** to set the correct time (press and hold to change in 10 min increments).



RESET, 24hr or AM/PM display, Setting Time

SETTING THE DAY

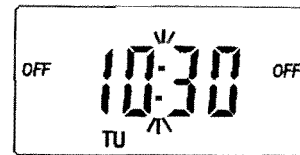
Press **DAY** repeatedly until the correct day of the week is displayed. MO is Monday, TU is Tuesday etc.



Accepting the preset programmes

If you are happy to use the preset programmes on page 14, you don't need to do anything else.

To accept the factory presets just press the **PROG** button until the time appears & colon in the display begins to flash.



Your unit is now in **RUN** mode and will control your heating and hot water according to the preset programmes.

Before you change the preset programmes

Your installer will have set your unit to operate in one of the following modes:

- **5/2 day** - one set of programmes for weekdays and another for weekends (page 18-19)
- **7 day** - different settings for each day of the week (page 20-21)
- **24 hour** - one set of programmes for the whole week (page 22)

- ! See **INSTALLER SETTING** tick box on inside flap label to ascertain which mode your unit is set .

INSTALLER SETTING	
24 Hour	<input type="checkbox"/>
5+2 Day	<input type="checkbox"/>
7 Day	<input type="checkbox"/>

Please Note

The unit must be programmed in sequence and ON/OFF times cannot be set out of sequence.

If you want to leave a preset time as it is, simply press **NEXT** to move on to the next setting

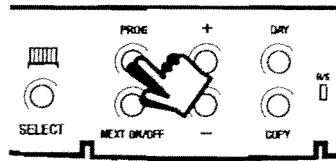
Your installer will have set your unit to programme either 2 or 3 ON/OFFs per day. If your clock has been installed to allow 3 ON/OFFs and you do not wish to use one of the ON/OFF settings, simply programme the ON time to be the same as the OFF time and the setting will not operate.

- ! If at any time you get confused and need to reset your timings to the standard programme, press the
- **RESET** button to return to the preset programmes.

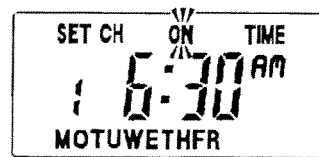
Programming the heating in 5/2 day mode

Programming heating - 5/2 day mode

1. Press **PROG** until **SET CH ON TIME** appears at the top of the display and **MOTUWETHFR** appears at the bottom of the display.

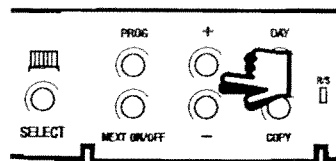


Use the **+** and **-** buttons to set the time you would like your heating to first come on in the morning (Event 1).

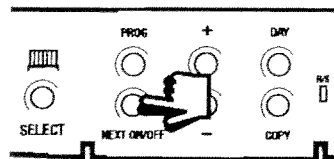


2. Press **NEXT ON/OFF** once only.

Use the **+** and **-** buttons to set the time you want your heating to go off (Event 2).

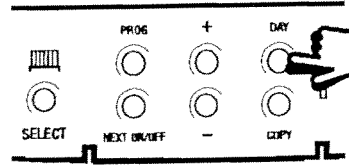


To move to the next setting, i.e. when you would like your heating to come on again (Event 3) press the **NEXT ON/OFF** button again.

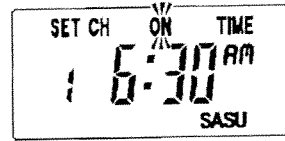


3. Continue programming the central heating ON and OFF times for weekday Events 4, 5 & 6 as in Step 2.

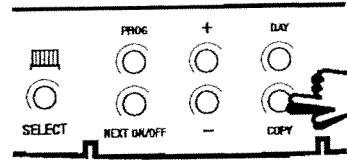
4. Press the **DAY** button once and **SASU** will appear at the bottom of the display.



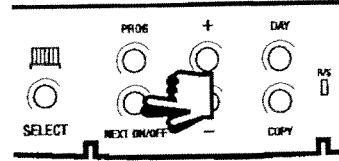
You can press **COPY** to keep the same settings for Saturday and Sunday as you have programmed for Monday to Friday.



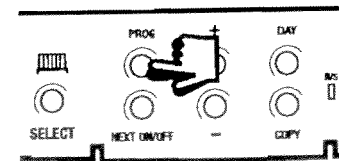
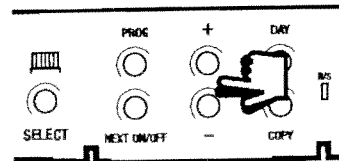
Alternatively, programme new ON/OFF times by pressing the **NEXT ON/OFF** button to move to the next setting and using the **+** and **-** buttons to set the time you want.



5. Press the **PROG** button to return the unit to RUN mode (time appears & colon in the display begins to flash)



6. **Proceed to page 23.**

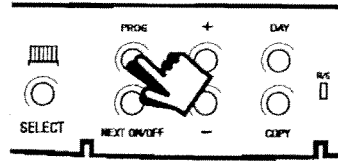


Programming heating - 5/2 day mode

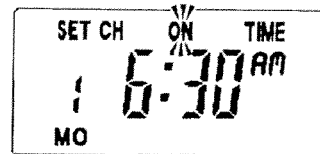
Programming the heating in 7 day mode

Programming heating - 7 day mode

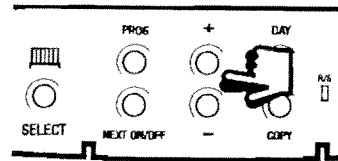
1. Press **PROG** until **SET CH ON TIME** appears at the top of the display and **MO** appears at the bottom of the display.



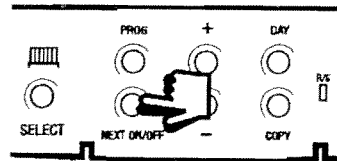
Use the **+** and **-** buttons to set the time you want your heating to first come on in the morning (Event 1).



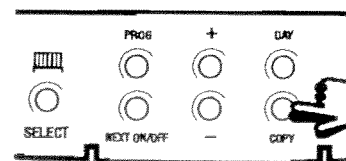
2. Press **NEXT ON/OFF** to move to Event 2.



Continue programming the central heating ON and OFF times in this way by using the **+** and **-** buttons to set the time you want and pressing the **NEXT ON/OFF** button to move to the next setting.



3. Press **DAY** button once only. **TU** will appear at the bottom of the display.



Continue programming the rest of the week by pressing:

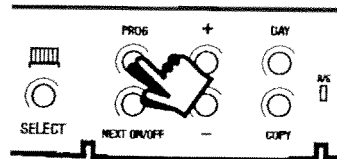
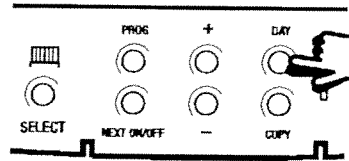
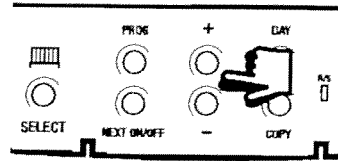
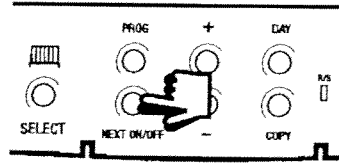
a) **NEXT ON/OFF** button to move to the next setting,

b) **+** and **-** buttons to amend the time

c) **DAY** to advance to the next day.

Alternatively press **COPY** to keep the same settings as the day before

4. Press the **PROG** button to return the unit to **RUN** mode (time appears & colon in the display begins to flash)
5. **Proceed to page 23.**

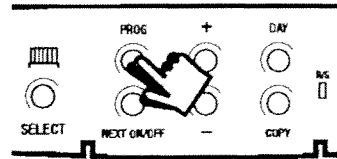


Programming heating - 7 day mode

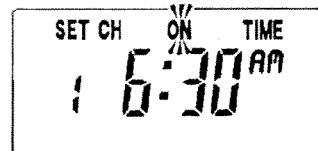
Programming the heating in 24 hour mode

Programming heating - 24 hour mode

1. Press **PROG** until **SET CH ON TIME** appears at the top of the display.

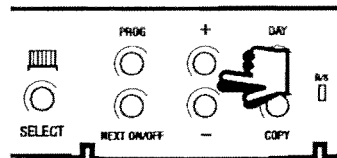


Use the **+** and **-** buttons to set the time you want your heating to first come on in the morning (Event 1).



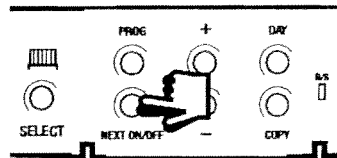
2. Press **NEXT ON/OFF** to move to Event 2.

Continue programming the central heating ON and OFF times by pressing:

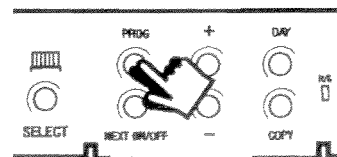


a) **NEXT ON/OFF** button to move to the next setting,

b) **+** and **-** buttons to amend the time



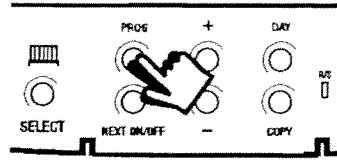
3. Press the **PROG** button to return the unit to RUN mode (time appears & colon in the display begins to flash)



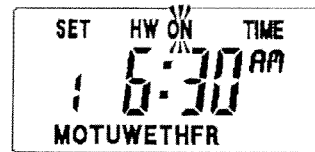
4. Proceed to page 23.

Programming the hot water

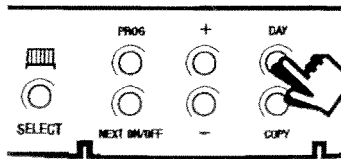
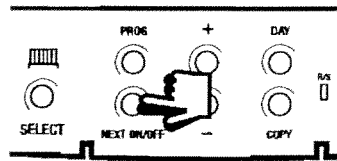
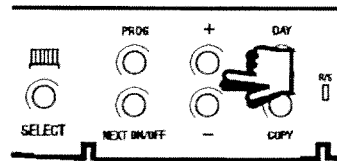
To set the hot water programme press the **PROG** button until **SET HW ON TIME** appears on the display.



Set the hot water programme in the same way as the heating programme, using:



- + and -** buttons to alter the time
- pressing the **NEXT ON/OFF** button to move to the next setting
- pressing **DAY** to advance through days of the week (7 day mode) or to advance to Saturday and Sunday programming (5/2 day mode).



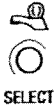
Finally press **PROG** to return the unit to run mode (time appears & colon in the display begins to flash).

Programming hot water

Running your Programme



To run the central heating programme: press the **SELECT** button next to the radiator symbol.



To run the hot water programme: press the **SELECT** button next to the tap symbol.

As you press the **SELECT** button the display will change between **ON**, **OFF**, **ALLDAY** and **AUTO**.



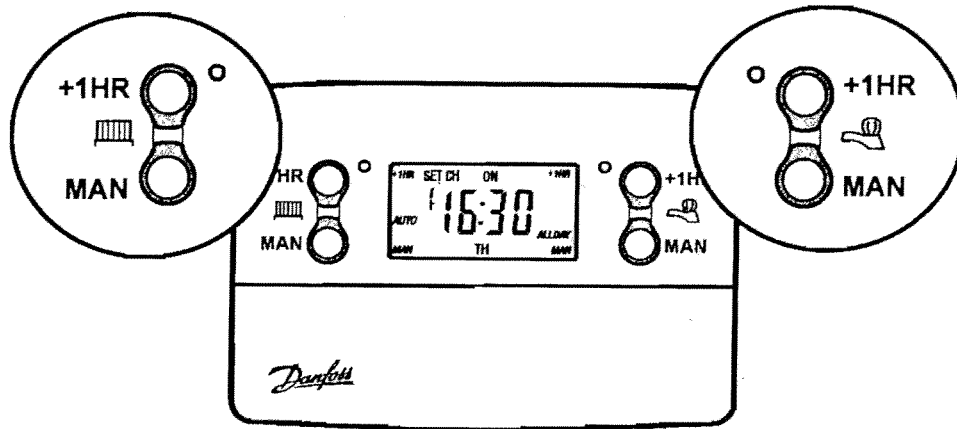
RUN mode

- **AUTO** = the heating/hot water will come on and go off at the programmed times
- **ON** = the heating/hot water will remain on constantly
- **OFF** = the heating/hot water will not come on
- **ALLDAY** = the clock will turn the heating/hot water on at the first programmed ON and will leave it on until your last programmed OFF

Select the option you require depending on your circumstances, time of year, etc.

Temporary override buttons

Sometimes you may need to change the way you use your heating temporarily, i.e. due to unusually cold weather. The FP715 has two convenient overrides which can be selected without affecting the set programme.



The grey buttons next to the **radiator symbol** are the **Heating** override buttons



The grey buttons next to the **tap symbol** are the **Hot Water** override buttons

+1HR = pressing this button when either system is in AUTO or ALLDAY mode will cause the heating/hot water to remain on for an extra hour. If it is pressed while the programme is OFF the heating/hot water will come on immediately for 1 hour then go off again.

MAN = pressing this button when either system is in AUTO or ALLDAY mode will cause the heating/hot water to go OFF until the next programmed ON, or vice versa.

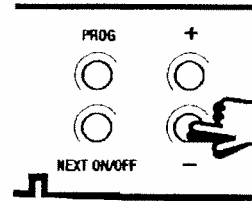
Changing clocks forward & back

Changing Clocks forward & back (Summer/Winter)

Open the flap on the front of the unit to reveal the programming buttons.

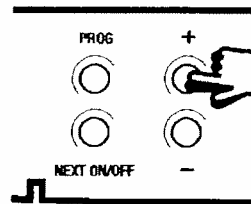
To change from **Summer to Winter** (clocks back) -

- press and hold - button



To change from **Winter to Summer** (clocks forward) -

- press and hold + button



NOTE: After the first time this change has been made this feature will only allow the clock to be changed in the opposite direction.

Take care when making this change for the first time. If it is made in the wrong direction the unit will have to be reset and any user-settings re-entered



(see pages 15-16 on how to Reset the unit and how to set the Time and Day).