

# **User Instructions**

Before beginning programming, you should reset the unit. Open the flap on the front of the clock. Press the **RESET** button using a non-metallic object (e.g. a pencil or end of a bic biro pen top). This will clear all previous pre-set programmes. **(Fig.1)** 

# A. Setting the correct Time and Day

TIME - Press PROG once (Fig.2). The words SET TIME will appear at the top of the display. The time will flash on and off (Fig.3). Using the + and - buttons set the correct time (Fig.4)

**DAY** - Press **DAY** repeatedly until the correct day of the week is displayed **(Fig.5)**. MO is Monday, TU is Tuesday etc

# **B.** Accepting the Factory Presettings

The FP715 comes ready programmed with a set of times and temperatures to suit the average household (see **Factory Presettings** on page 4).

To accept these settings press the **PROG** button until the time appears and colon in the display begins to flash - the unit is now in RUN mode **(Fig.6)**.

If you wish to alter these settings follow instructions below.

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 (Section C) **7 day** - different settings for each day of the week (Section D)

**24 hour** - one set of programmes for the whole week **(Section E)** See INSTALLER SETTING tick box on inside flap label to ascertain which mode your unit is set and follow relevant instructions below.

INSTALLER SETTING		
24 Hour		
5+2 Day		
7 Day		

# C. Programming the Heating - 5/2 day mode

1. Press **PROG (Fig.2)** until **SET CH ON TIME** appears at the top of the display and **MOTUWETHFR** appears at the bottom of the display (**Fig.7**). Use the **+ and -** buttons (**Fig.4**) 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 (**Fig.8**). Use the **+** and **-** buttons (**Fig.4**) 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 once only.

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 (Fig.5) and SASU will appear at the bottom of the display (Fig.9). Either press COPY (Fig.10) 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 (Fig.8) once to move to the next setting and using the + and - buttons (Fig.4) to set the time you want.

5. Press **DAY** button (Fig.5) to return display to **MOTUWETHFR**, ready to programme the Hot Water

6. Proceed to Section F

# D. Programming the 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 (**Fig.11**). Use the **+** and **-** buttons (**Fig.4**) to set the time you want your heating to first come on in the morning (**Event 1**).

2. Press **NEXT ON/OFF (Fig.8)** 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 **(Figs.4 & 8)**.

3. Press DAY button once only (Fig.5). TU will appear at the bottom of the display. Either press COPY (Fig.10) to keep the same settings as the day before or continue programming for the rest of the week by pressing the NEXT ON/OFF button to move to the next setting, using the + and - buttons to amend the time, and by pressing DAY to advance to the next day (Figs.8,4 & 5)

4. Press DAY button (Fig.5) to return display to MO, ready to programme the Hot Water

5. Proceed to Section F



### E. Programming the Heating - 24 hour mode

1. Press **PROG** until **SET CH ON TIME** appears at the top of the display. Use the **+** and **-** buttons (Fig.4) to set the time you want your heating to first come on in the morning (Event 1).

2. Press **NEXT ON/OFF (Fig.8)** 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 and pressing the **NEXT ON/OFF** button to move to the next setting (**Figs.4 & 8**).

### 3. Proceed to Section F

N.B. Depending how your installer has set the clock you will be able 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.

## F. Programming the Hot Water

To set the hot water programme press the **PROG** button (Fig.2) until the **SET HW ON TIME** appears on the display (Fig.12).

Set the hot water programme in the same way as the heating programme, using the + and - buttons to alter the time (Fig.14), by pressing the NEXT ON/OFF button (Fig.13) to move to the next setting and by pressing DAY (Fig.15) 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 (Fig 2) to return the unit to run mode (Fig.6).

### G. Running your Programme

To run the central heating programme: press the SELECT button next to the symbol of a radiator (Fig.16).

To run the hot water programme: press the SELECT button next to the tap symbol (Fig.16).

As you press each of the **SELECT** buttons the display will change between **ON**, **OFF**, **ALLDAY** and **AUTO**. Select the option you require depending on your circumstances, time of the year etc (**Fig.17**).

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

### H. Temporary Override Buttons

The grey buttons next to the radiator are the heating override buttons (Fig.18)

The grey buttons next to the tap are the hot water override buttons (Fig.18)

+1HR = the heating/hot water will remain on for an extra hour. If it is pressed whilst the programme is off, the heating/hot water will come on immediately for 1 hour then go off.

**MAN** = if this button is pressed when either system is on, then that system will go OFF until the next programmed ON. If this button is pressed when either system is OFF, that system will come ON until the next programmed OFF.

NB. These over-rides are only temporary and do not affect the preset programmes.

### I. Winter Time / Summer Time Clock

To change from Summer to Winter (clocks back) - press and hold - button (Fig.19)

To change from Winter to Summer (clocks forward) - press and hold + button (Fig.19)

Fig.11		
Fig.12		
Fig.13 To move to next event	PROG + DAY DAY SELECT NEXT ON/OFF - COPY SELECT	
Fig.14 To alter ON/OFF times	SELECT NEXT ON/OFF - COPY	
Fig.15 To move to next day or to weekend	PROG + DAY C C C C C C C C C C C C C C C C C C C	
Fig.16	PROG + DAV SELECT NEXT ON/OFF - COPY SELECT SELECT SELECT SELECT	7
ug.	HR +1HR TTO FINAL ALLDAY AN MAN	
Fig.18 Central Heating +1HR override Central Heating MAN override	Hot Water +1HR WAN Dan <u>fett</u> Hot Water MAN Override MAN override	
Fig.19	PROG + Clocks forward (Spring) NEXT ON/OFF - Clocks back (Autumn)	

# Installation Instructions

### Product overview

The FP715 is an electronic 2-channel full programmer with independent time base serving separate heating and hot water channels. It can be set at time of installation for 7 day, 5/2 day or 24 hour operation. In addition the installer can select between 2 or 3 sets of On/Off events each day. All models in the range incorporate a permanently lit back light.

### Installation

1. The product should only be installed by a qualified electrician or competent heating installer. The installation must be in accordance with the current edition of the IEEE wiring regulations.

2. From the top left hand corner of the wallplate there must be clearances of at least 140mm to the right, 15mm to the left, 30mm above and 100mm below in order to mount the plug-on module.

3. The wallplate must be securely mounted either directly to the wall, using suitable wood screws, or to a flush mounted 1-gang electrical accessory box using M3.5 screws.

4. Cable access can either be from behind for concealed cabling or from below for surface cabling. If surface cable is used, cut out cable access slot on plug-on module prior to mounting the module.

5. For wiring connections refer to Diagram 1 below. FP715 models are double insulated and do not require an earth connection. However a parking terminal is provided on the wallplate, which is clearly marked with an Earth symbol.

6. Prior to mounting the plug-on module, DIL switches on the rear of the plug-on module must be set. See Diagram 2 below for available options.

7. Mark the INSTALLER SETTING tick box on the inside flap label to notify user in which mode their unit is set (24hr, 5/2 day or 7 day).

8. Mount plug-on module to wallplate by locating tabs on top of wallplate in apertures on rear of module, hinge down and press firmly to wallplate before tightening securing screws on bottom of wallplate.

### **Diagram 1. - Wiring**



# Diagram 2. - DIL Switch Settings



### Product specification

Power supply		
Switching action		
Switch rating		
Battery back-up		
Max. temperature		
Programme resolution		
Dimensions, mm		
Design standard		
Control Pollution Situation		
Rated Impulse Voltage		
Ball Pressure Test		

230 V ac, ±10%, 50/60 Hz 2 x SPDT internally linked 230 V ac, 3(1)A 24 hours minimum 45°C 1 minute (W, H, D) 135 x 88 x 32 EN 60730-2-7 Degree 2 2.5kV 75°C

Factory Presettings					
Event	ON/OFF	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		

\* Each day if set in 24 hour mode

# Fault Check List

### No Hot Water

Check FP715 programmer. Turn the heating selector to OFF and the water selector to ON.

Is the red light by the water switch on? — No Check fuse in fused spur Yes Check cylinder thermostat
Is the stat set to a temperature of 60°C? No Turn knob to 60°C Ves Check boiler
Is the boiler on? No Check the boiler thermostat Yes Water should be hot in 45 mins.
Set boiler stat to maximum ——— Is boiler on? — No — Check the reset button Yes — Water should be hot in 45 mins.
Push the boiler reset button in —— Did boiler light? No Yes Water should be hot in 20 mins.
l Telephone your local Heating Engineer

After the water has been heated, return the programmer and other controls to the required settings.

#### No Heating

Check FP715 programmer. Turn the water selector to OFF and the heating selector to ON.

Is the red light by the heating switch on?	- No Check fuse in fused spur - Yes Check room thermostat
Is stat. temp. set higher than room temp?	- No —— Set stat to 30°C - Yes —— Check boiler ————————————————————————————————————
Is the boiler on? —	- No Check boiler thermostat is set to max - Yes Radiators should be hot in 45 mins.
Set boiler stat to maximum Is boiler on?	- No Check the reset button
Push the boiler reset button in ——— Did boiler light?—	-No
F Telephone your local	, Heating Engineer

After the heating has come back on, return the programmer and other controls to the required settings.



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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)