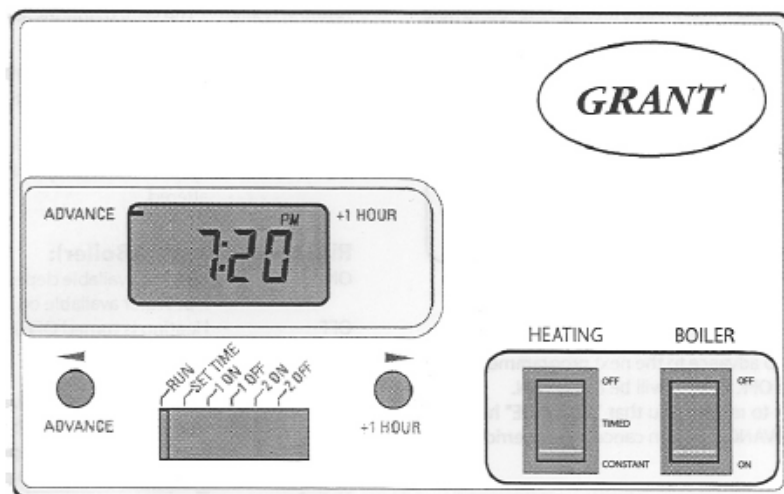


# PROGRAMMER FOR OUTDOOR COMBI USER INSTRUCTIONS



This manual is accurate at the date of printing but will be superseded and should be disregarded if specifications and/or appearances are changed in the interests of continued product improvement.

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## USER INSTRUCTIONS

Programming the unit could not be easier. Simply follow the instructions in the table below.

**IMPORTANT:** Remember to return the slider switch to the RUN position after programming.

STEP	TASK	SLIDER SWITCH POSITION	INSTRUCTION
1	Starting and re-setting the unit		<p>Move slider switch to <b>SET TIME</b>. Using a non-metallic object, i.e. a matchstick, gently press through the round hole found under the slider switch.</p>
2	Set time of day		<p>Move the slider switch to <b>SET TIME</b>. Use the ◀ and ▶ keys to set time of day.</p>
3	Set 1st ON time		<p>Move the slider switch to <b>1 ON</b>. Use the ◀ and ▶ keys to set 1st ON time.</p>
4	Set 1st OFF time		<p>Move the slider switch to <b>1 OFF</b>. Use the ◀ and ▶ keys to set 1st OFF time.</p>
5	Set 2nd ON time		<p>Move the slider switch to <b>2 ON</b>. Use the ◀ and ▶ keys to set 2nd ON time.</p>
6	Set 2nd OFF time		<p>Move the slider switch to <b>2 OFF</b>. Use the ◀ and ▶ keys to set 2nd OFF time.</p>
7	<b>IMPORTANT</b> Return to RUN		<p>Move the slider switch to <b>RUN</b>. Ensure that the colon (:) in the display blinks.</p>

### GRANT ELECTRONIC MINI-PROGRAMMER

The GRANT electronic mini-programmer will control the operation of your heating system automatically. Once programmed it will provide 2 ON and 2 OFF heating periods, repeated each day at the times you have chosen.

During the summer, the central heating can be turned off, whilst still retaining control of the hot water system.

### RE-SETTING THE UNIT

Should the unit be disconnected from the mains, the unit will switch off the system. Settings of time and programmes will be retained for 10 hours.

After 10 hours the display will go blank and the unit will lose its settings.

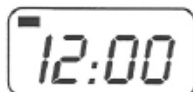
When mains power is restored it is recommended that the unit is re-set.

To do this move the slider switch to the "SET TIME" position, then gently press a small non-metallic object, for example a matchstick, through the round hole at the base of the switch to re-set the unit.

This re-installs the factory pre-set programme and sets the time of day to 12:00pm.

### TEMPORARY OVERRIDES - CENTRAL HEATING

The programmer has two convenient overrides which can be used to temporarily override the set programmes. These only work when the slider switch is in the RUN position, and they automatically cancel at the start of the next programmed period.



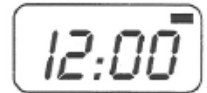
### ADVANCE

Press the "ADVANCE" button once to advance to the next programmed event. If the system is ON it will be turned OFF. If OFF it will be turned ON.

A bar on the LCD display will be lit to remind you that "ADVANCE" has been selected. A second press of the "ADVANCE" button cancels the override.

### +1 HOUR

Press the "+1 HOUR" button once if an additional one hour of central heating operation is needed. If the system is OFF it will be turned ON, if it is already ON, the additional one hour will be added on to the end, extending the central heating ON period by one hour.



A bar on the LCD display will be lit to remind you that "+1 HOUR" has been selected. A second press of the "+1 HOUR" button cancels the override.

### MANUAL SWITCH SETTINGS

Two manual rocker switches are provided to enable more permanent overrides of the unit to be made. Once made, these overrides stay in place until the switch position is altered. The switch options are as follows:

#### Left Hand Switch (Central Heating):

- OFF - System is manually switched OFF and stays off until the switch position is altered.
- TIMED - System follows programme, plus any temporary overrides.
- CONSTANT - System is manually ON and stays on until switch position is altered.

#### Right Hand Switch (Boiler):

- ON - Heating available dependant on position of left hand switch. Hot Water available on demand.
- OFF - Heating is turned OFF. Hot Water operation is turned off.

- Note 1 - To ensure hot water is available on demand it is recommended that the boiler switch is left in the 'ON' position.
- Note 2 - Frost stat will still operate in cold weather conditions independent of switch positions.
- Note 3 - The hot water operation cannot be timed.

# GRANT



## Electronic 24 Hour Mini-Programmer, for the control of the Grant Outdoor Combi

### INSTALLATION INSTRUCTIONS

#### Technical Specifications

Power Supply	: 220/240Vac, 50/60Hz
Switch Action	: Type 1B
Switch Rating	: 220/240Vac, 50/60Hz, 3(1)A
Timing Accuracy	: $\pm 1$ min/month
Power Reserve	: Minimum 10 hours
Enclosure Rating	: IP30
Maximum Ambient Temp.	: 45°C
Designed to meet BS EN60730-2-7	
Overall Dimensions	: 158mm wide, 98mm high, 38mm wide
Control Pollution Situation	: Normal

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)



The unit must be installed by a competent electrician and the installation should conform to IEE Wiring Regulations. The supply to this unit should be wired via a full disconnect in accordance with BS EN60730-1, i.e., one which provides air gaps of at least 3mm in both poles of the mains, and incorporates a 3 amp fuse. It is strongly recommended that solid conductors be used.

#### Installation and Wiring

1. Select the desired fixing position for the heating controller.
2. When fixing the wallplate remember the connections are at the top and the vertical centre line of the unit is at the position shown (C/L). (In line with terminal E.)
3. Fix the wallplate to the wall or flush mounted box as required.
4. Surface cables can only enter from below the unit. If mounted on a flush mounted box, cables can enter from the rear through the aperture in the wallplate.
5. Important: Links must be fitted between terminals L and 5 and between 2 and 4.
6. Whilst the unit does not require an Earth connection, a terminal is provided on the wallplate for Earth continuity purposes.
7. Ensure all dust and debris are cleared from the area.
8. Locate the module on the latches at the bottom of the wallplate and hinge upwards to fully engage the unit connectors into the wallplate. Tighten the two fixing screws to secure the unit to the wallplate.
9. Before setting the programme the unit and circuit should be checked. Switch ON the mains supply and set the left hand rocker switch to "CONSTANT" and the right hand rocker switch to "ON". Adjust any remote thermostats to check that the services operate correctly.
10. Press left hand rocker switch to "OFF", check that the heating goes off and that the hot water operation stays on.
11. Press right hand rocker switch to the "OFF" position and check that both services do not operate.
12. Finally, return the left hand rocker switch to "TIMED" and the right hand rocker switch to the "ON" position.

