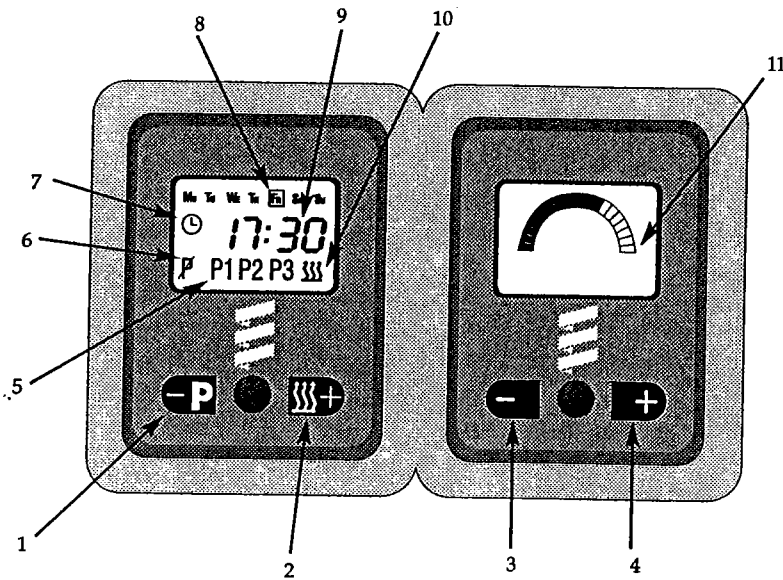# Mini programmer / modulator operating instructions

1. 'P' Key (-)
2. 'HEAT' Key (+)
3. Decrease Temperature Key
4. Increase Temperature Key
5. Pre-Set Symbol
6. Disengaged Pre-Set Symbol
7. Clock Symbol
8. Day Selected Indicator Box
9. Current Time, Pre-Set Time and Heating Time
10. Heater Operation Symbol
11. Temperature Scale

Setting the time of day

A Whenever power is applied to the programmer the display will flash 88:88 repeatedly.

B. To set the time, press ⊖P ⊞+ keys at the same time until the flashing clock symbol ⊙ appears. Use ⊖P and ⊞+ keys to set the time of day. Once the correct time of day is displayed the flashing clock symbol will remain active for a further 6 seconds after which the displayed time will be set.

C. When the time of day setting has been completed the box symbol 🔲 will start flashing. Use ⊖P and ⊞+ keys to set the day of the week. Once the correct day is displayed the flashing box symbol will remain active for a further 6 seconds after which the displayed day will be set.

D. When the box symbol 🔲 stops flashing press the ⊞+ key. The time and day setting is now completed.

E. If the time or day is set incorrectly, or requires adjustment, repeat the above procedure.

To switch on the heater
Press the ⊞+ key and the heat symbol 𝔖 will appear on the programmer screen. The heater is now switched on.

To switch off the heater
Press the ⊞+ key and the 𝔖 symbol will disappear. The heater will now commence its shut down cycle of approximately 3-4 minutes.

To adjust the desired temperature level
Note: The temperature setting on the modulator can only be adjusted while the heater is switched on via the programmer.
To change the heater temperature, press and hold the ⊖ or ⊕ accordingly, after a 2 second delay the temperature scale ◠ will increase or decrease as desired. As a guide, the temperature scale ◠ is adjustable between 10°C and 30°C

To set pre-set switch on/off times
A. The programmer has 3 adjustable on/off times which can be set to activate on different days of the week.
The maximum duration of any one pre-set is 60 minutes.

B. With ⅙ symbol showing on the programmer display, press and hold ⊞+ key until the pre-set symbol P1 starts to flash.

C. While P1 is still flashing use ⊖P and ⊞+ keys to set your first pre-set 'ON' time.

D. Wait until P2 starts to flash and set your second pre-set 'ON' time. If this is not required, set P2 to 00:00, the timer will display ⌈oFF⌉

E. Wait until P3 starts to flash and set your third pre-set 'ON' time. If this is not required, set P3 to 00:00 the timer will display ⌈oFF⌉

F. P1 P2 P3 will start to flash on the programmer screen. The active days can now be set.

G. While P1 P2 P3 are still flashing, adjust the days you want P1 P2 P3 to operate.

H. Use ⊞+ key to select ⌈on⌉ or ⌈oFF⌉ for the day indicated in the day box. Use ⊖P key to advance to the next day.

I. Repeat until all day settings are complete.

To activate pre-set times
A. Press ⊖P key, the screen display will change from ⅙ to P1 P2 P3

B. The programmer will now automatically switch the heater on as set until the pre-set times are deactivated.

To deactivate pre-set times.
Press ⊖P key the screen display will change from P1 P2 P3 to ⅙

Display settings
The timer has a back-lit display that illuminates when any of the timer buttons are pressed (recommended setting), however by depressing the ⊖P for 6 seconds the illumination can be set on permanently, timer displays ⌈on⌉ the timer can be set back to normal mode by pressing ⊖P for a further 6 seconds, timer displays ⌈oFF⌉.