

THE IRRESISTIBLE FLAMES OF MASPORT



# Masport<sup>®</sup>

# REMOTE CONTROL OWNERS GUIDE

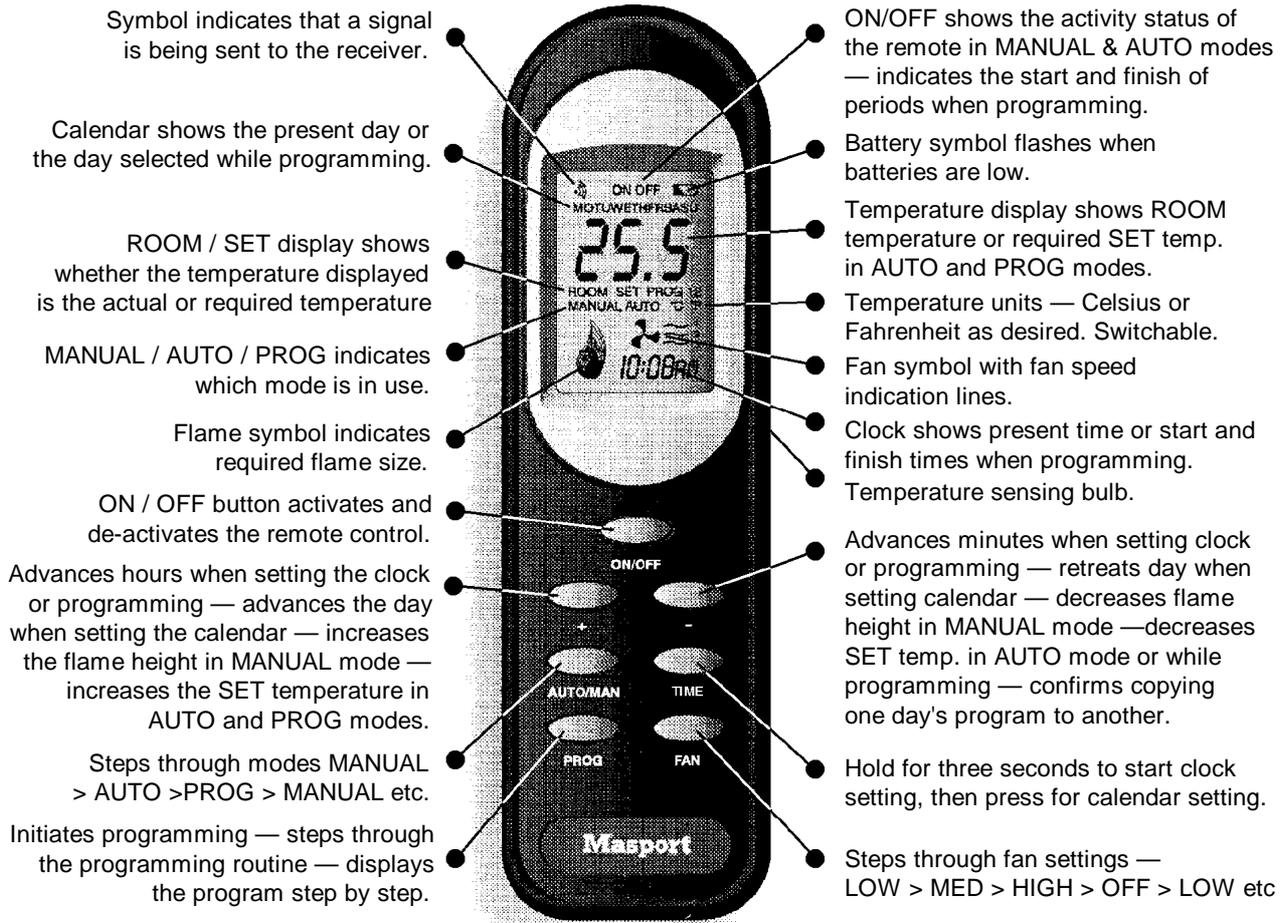
**WARNING:** Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. For assistance or additional information consult an authorised technician, or your Masport Gas Fire Dealer.

**FOR YOUR SAFETY:** Do not store or use gasoline or other flammable vapours and liquids in the vicinity of this appliance. Installation and service must be performed by authorised personnel. Please keep these instructions for further reference.

**WHAT DO YOU DO IF YOU SMELL GAS**

- Do not try to light any appliance.
- Do not touch any electrical switch.
- Do not use any phone in your building.
- Immediately close the shut-off valve behind the heater or at the gas meter.
- Call the technician.

# Masport<sup>®</sup> ECS II CONTROL SYSTEM



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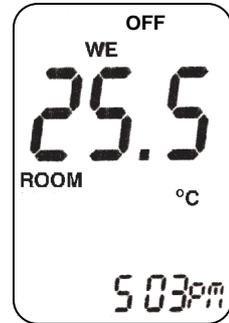
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## INTRODUCTION

ECS II models have a radio frequency (RF) control system which can operate in three modes – MANUAL, AUTO and PROGRAM. The RF system has the advantage that the remote control does not need to be aimed directly at the heater. The control handpiece incorporates the thermostat, to sense the room temperature, so care should be taken when using it in the AUTO or PROGRAM modes not to hold it longer than necessary (your body temperature may mislead the temperature sensing bulb), and to put it down where it can sense the real room temperature, not under a cushion or magazine. A slide-on storage bracket is supplied to wall-mount the remote if you prefer.

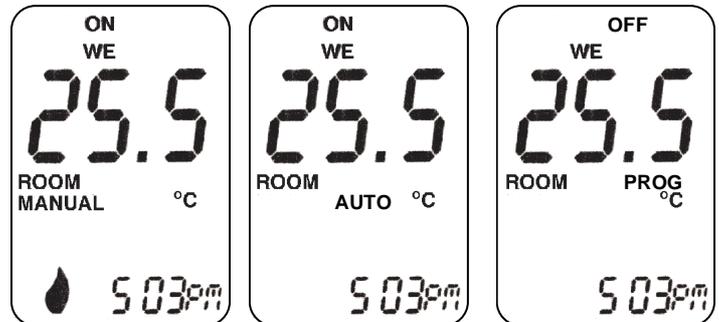
- If there is no display on the handpiece panel, check the batteries (2 AAA alkaline). To gain access to the battery compartment, slip the wall storage bracket off the bottom of the remote and slide open the battery compartment cover on the rear of the remote. A set of batteries should give 12 months service.

- When switched OFF, the display will show the day of the week, the time, the room temperature and OFF.



## SETTING THE TIME AND DAY

- If the indicated time and day are incorrect, press the ON/OFF button. The display will now show one of the three operating modes (MANUAL, AUTO or PROG). The OFF display will change to ON except that sometimes in the PROG mode the OFF display will remain. Note that the flame and fan symbols may also be displayed.



- Hold down the TIME button (for three seconds). The time display will flash.

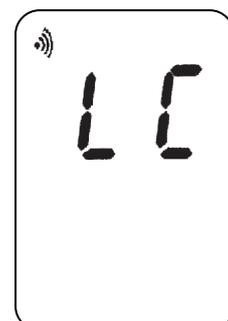
- Press the '+' button to advance the HOUR display and the '-' button to advance the minute display. In both cases, holding down the button for more than three seconds will cause the setting to scroll through the numbers. If you overshoot the required number, continue on through a full cycle.
- Having set the clock as described, press the TIME button and the time display will cease flashing while the day of the week display will flash instead.
- Press the '+' button to advance the day, and the '-' button to go to the previous day.
- Ten seconds after the last day adjustment, the remote will automatically exit the clock setting sequence, or instead you can hold the TIME button for 3 seconds to exit the sequence.

## TEACHING

Before using the remote control **for the first time**, you must 'teach' the heater's receiver to recognise and respond to only this particular remote control.

- Set the remote to OFF by pressing the ON/OFF button if necessary. OFF should be displayed. (If PROG is also displayed, press ON/OFF once more).
- Turn OFF the mains supply to the heater.

- Turn ON the mains supply to the heater and immediately press and hold both the FAN and PROG buttons for ten seconds. The display will show 'LC', and then revert to the normal OFF display. If the fire lights during this procedure, press the ON/OFF button twice to revert to normal operation.

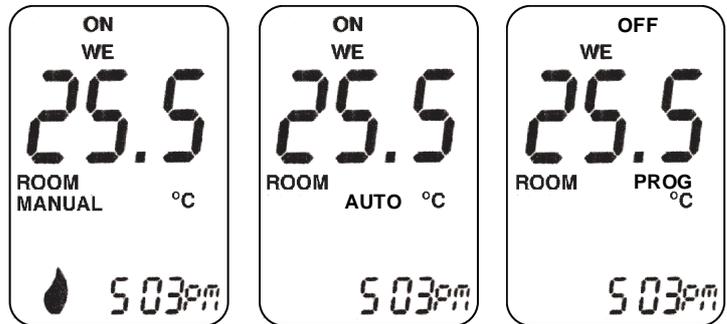


## MANUAL MODE

In this mode the fire is controlled entirely by pressing buttons on the remote and the thermostat is inactive.

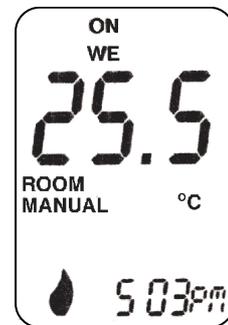
- Check that the power to the heater is switched ON and that the gas tap is turned ON.

- Press the ON/OFF button. The display will now show one of three modes — MANUAL, AUTO or PROG plus possibly flame and fan symbols. In PROG mode, the OFF may not change to ON, but the word PROG will be displayed.



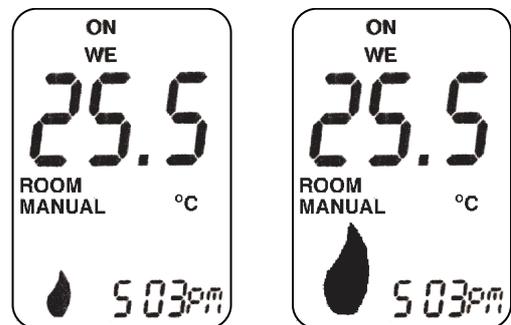
- Press the AUTO/MAN button repeatedly to step through the three modes (MAN > AUTO > PROG > MAN etc.) until you reach MANUAL. In this mode the thermostat in the handpiece is disabled so that the flame size and fan speed may be controlled as desired. The flame symbol should be showing.

- As soon as the flame symbol is showing, the ignition sequence will commence. After a deliberate time delay (about 7 seconds), the ignition sparking will commence, and, if gas is available, the fire will light.

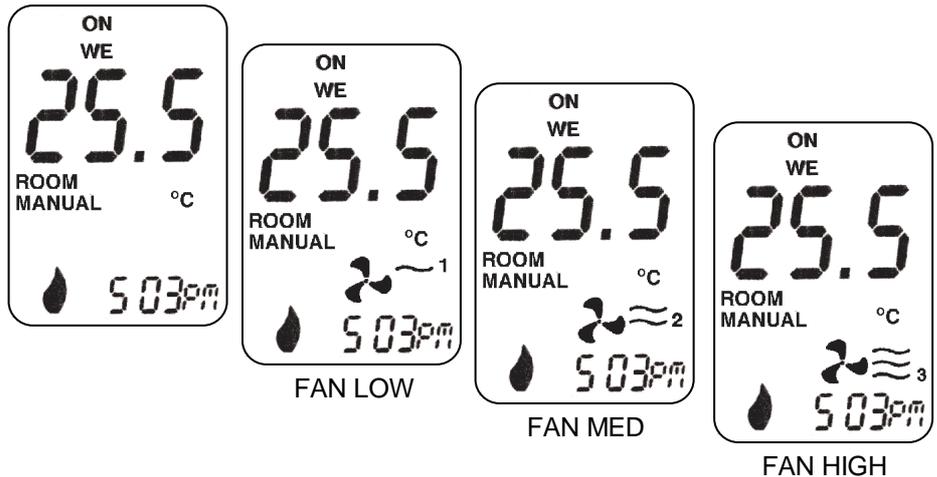


- The first time you attempt to light the fire there will probably be air in the pipeline, so flame may not appear before the spark shuts down after about 30 seconds. If this happens, press the ON/OFF button and the flame symbol on the display will disappear. Then press the ON/OFF button again to restore the flame symbol when a further ignition cycle will commence. (Don't forget the 7 second delay between the remote calling for ignition and spark commencement). Repeat as necessary until the gas comes through and the fire lights.
- The heater will always light at the HIGH setting, but will fall back to a lower setting after about 20 seconds unless the top heat setting has been selected.

- Repeated pressing of the '+' button will progress the flame through its six flame heights. The flame symbol on the display will increase in size as the higher heat outputs are selected. Press the '-' button, repeatedly if required, to diminish the flame to its minimum size.



- Once the flame symbol appears on the display, the fan speed can be selected. Repeated pressing of the FAN button will step the fan speed through its three speeds and OFF setting. Pressing the fan button when the fan has been set for its highest speed will turn the fan off. Fan speed settings are displayed to the right of the fan symbol by up to three wavy lines. The more lines — the faster the fan speed.



The fan always starts at high speed for the first 5 seconds, and then switches to the selected speed.

**NOTE. Your fan may be fitted with an internal heat operated switch (Thermodisc) to prevent it blowing cold air. In this case, even though the display shows that the fan is switched on, the fan will not start until the heater has warmed up. The fan will then start automatically (after about ten minutes).**

- The flame height and fan speed can be controlled as desired at any time. No harm will result if you keep the flame alight but turn the fan off by repeated pressing of the fan button until the fan symbol disappears from the display.

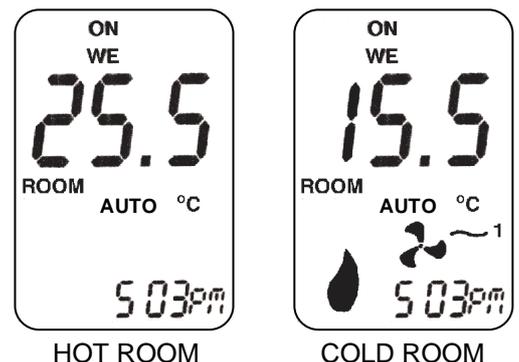
#### OPERATING IN MANUAL MODE

- To turn the fire on or off, simply press the ON/OFF button, checking that the display shows MANUAL. The flame and fan selections will resume their previous settings, but remember that the fan will not start until the fire has warmed up for about ten minutes if it has a Thermodisc.

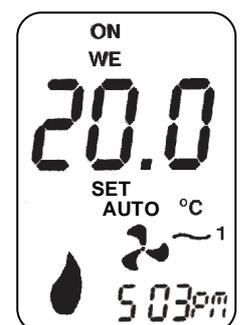
#### AUTO MODE

In this mode the fire is automatically controlled to maintain the temperature you have selected (the SET temperature).

- Press the ON/OFF button (if necessary), to bring up the ON display on the screen. The flame and fan symbols may or may not be showing. If the remote was in PROGRAM mode when turned off, the word PROG will show but the OFF display may not turn to ON. Nevertheless, proceed to the next step.
- Press the AUTO/MAN button, several times if necessary until AUTO is displayed.
- The temperature shown on the display will be the current room temperature.



- Press either the '+' or '-' button momentarily and the SET temperature will show instead of the room temperature. The SET temperature display will revert to the current ROOM temperature display after 5 seconds if no adjustments are being made. To change the SET temperature, press the '+' or '-' buttons as necessary until the required temperature shows. For large changes, hold the buttons down until the required temperature is displayed. The available range of SET temperatures is from 7 degrees C to 32 degrees C.



- If the set temperature exceeds the current room temperature the flame symbol will show, increasing in size as the difference between the two increases. When operating in AUTO mode, the heater flame will be larger if the room temperature is well below the SET temperature, and it will decrease as the room nears the SET temperature. Having brought the room to the required temperature, the flame will extinguish and the fan will turn off.
- The AUTO mode usually turns the fan on at low speed. If you want a different fan speed or no fan in this mode, simply press the FAN button (repeatedly if necessary) while the flame symbol is showing to select your requirements. See the MANUAL section. The selected fan setting will remain in the memory for further use in the AUTO mode provided that the mode setting of the remote has not been changed meanwhile. Remember that the fan may not start as soon as the fire lights if it is controlled by a Thermodisc.



### OPERATING IN AUTO MODE

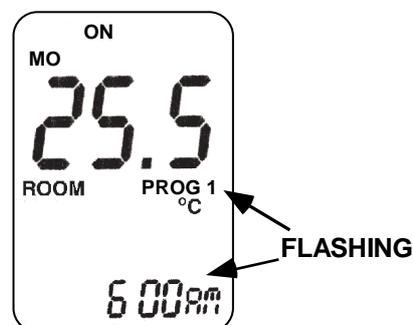
- To operate the heater in AUTO mode, switch ON the remote with AUTO displayed.
- To stop the heater, press the ON/OFF button. The temperature and fan settings remain in the memory for use when the heater is next turned ON in AUTO mode.
- Place the remote control where it can sense the room temperature accurately, not near the heater, under a strong lamp or in sunshine. If wall mounting is desired, use the slide-on bracket supplied.

### PROGRAM MODE

This mode allows you to have different AUTO settings for different times of the day and for different days of the week. For example, you might wish to turn the fire on for two hours in the morning and for four hours in the evening. You may want a different room temperature for each of these, and you may wish to vary your time and temperature requirements from one day of the week to another. The program allows you to select two different time periods per day for each of the seven days of the week, and to have different SET temperatures for each of the fourteen periods. Of course, they need not all be different. You will be likely to have weekday requirements different from week-end requirements, and the programming system permits the settings for one day to be transferred easily to other days as well.

### PROGRAMMING

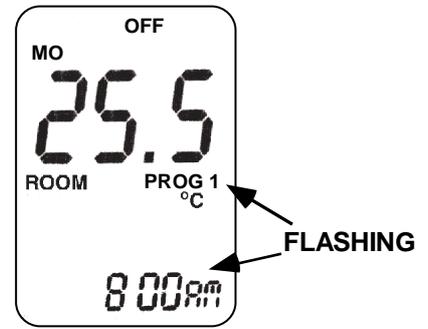
- 1 • Press the ON/OFF button until MANUAL, AUTO or PROG is displayed (The OFF display may still be showing when PROG is displayed).
- 2 • Repeatedly press the AUTO/MAN button if necessary until PROG is displayed.
- 3 • **PERIOD 1: START TIME.** Press and hold the PROG button for at least 3 seconds. This commences programming. The display will show ON, the ROOM TEMP, PROG 1, MO and the starting time for Monday's first period. The '+' and '-' buttons can be used to adjust the starting time of period 1 **while the display is flashing**. As before, the '+' button advances the hour figure, while the '-' button advances the minute figure. If you overshoot the desired setting, continue on for a complete cycle to get the desired time.



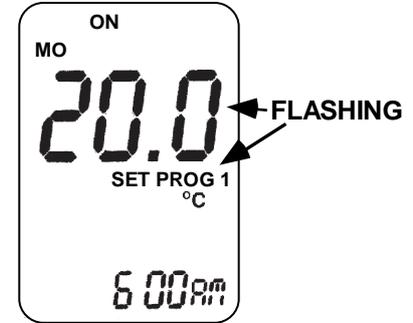
**Make any adjustments or move to the next step promptly, as the programming system exits after any 20 second delay during the whole of the programming exercise.**

**If you want to leave the programming mode at any time, simply wait 20 seconds for the display to cease flashing.**

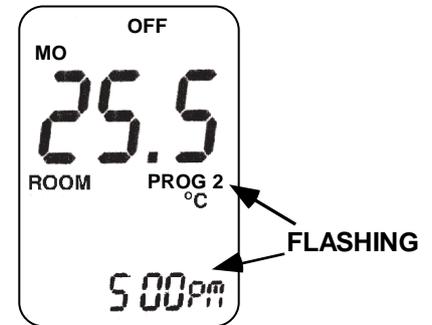
4 • **PERIOD 1: FINISH TIME.** Press and release the PROG button. The display will show OFF, the ROOM TEMP, MO, PROG 1 and the finishing time of Monday's period 1. The '+' and '-' buttons can be used to adjust the finishing time as described in the previous paragraph.



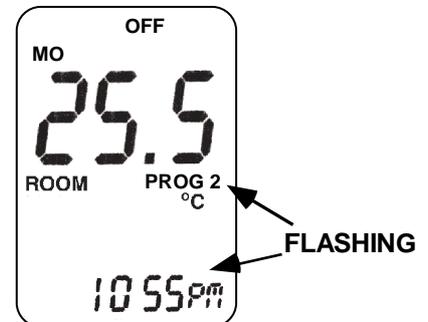
5 • **PERIOD 1: SET TEMPERATURE.** Press and release the PROG button. The display will show ON, SET PROG 1, MO and the set temperature for Monday's period 1. The '+' and '-' buttons can be used to adjust the set temperature of period 1.



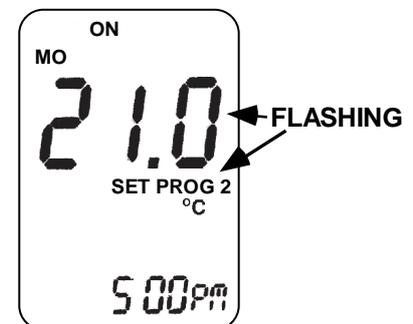
6 • **PERIOD 2: START TIME.** Press and release the PROG button. The display will show ON, MO, the ROOM TEMP, PROG 2 and the starting time for Monday's period 2. The '+' and '-' buttons can be used to adjust the starting time as described in step 3 above. In order to avoid overlap of the periods, take care to ensure period 2 does not commence before period 1 has finished.



7 • **PERIOD 2: FINISH TIME.** Press and release the PROG button. The display will show OFF, MO, the ROOM TEMP, PROG 2 and Monday's period 2 finishing time. The '+' and '-' buttons can be used to adjust the finishing time as before.



8 • **PERIOD 2: SET TEMPERATURE.** Press and release the PROG button. The display will show ON, MO, SET PROG 2 and the SET temperature for Monday's period 2. The '+' and '-' buttons can be used to adjust this as before.



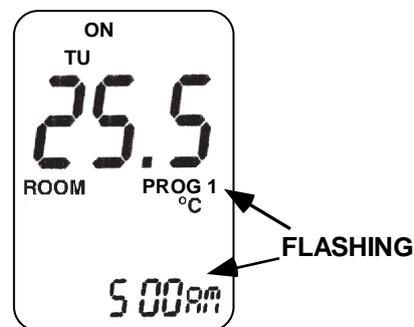
**PROGRAMMING SUBSEQUENT DAYS.**

YOU NOW HAVE TWO OPTIONS. The first option programs each day independently, while the second allows Monday's entire program to be 'copied' to one or more other days of the week. Whether you take the first or second option, you must move directly to it after completing step 8 above. A delay of more than 20 seconds will end the programming procedure.

## OPTION 1

### PROGRAMMING EACH DAY INDEPENDENTLY.

9A • Press and **release** the PROG button. The display will show Tuesday's period 1 starting time. The '+' and '-' buttons can be used to adjust this, just as in step 3 above. Steps 4 to 8 above can then be followed to set the rest of the Tuesday program, followed by Wednesday etc. etc. for the whole week.

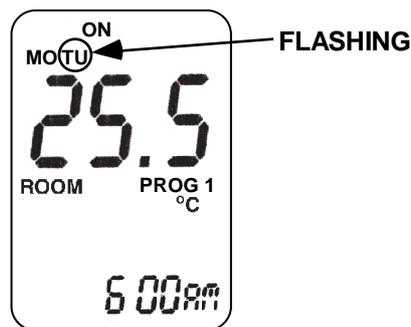


OR

## OPTION 2

### COPYING YOUR PROGRAM TO OTHER DAYS

9B • Press and **hold** the PROG button for at least 3 seconds. The display will show MO and TU, with the TU symbol flashing to indicate that the automatic copying feature is activated. If you want to copy Monday's program to Tuesday, press the '-' button. If you want to select any other day or days of the week to have Monday's program, press the '+' button as necessary until the desired day starts flashing, and then press the '-' button to confirm the transfer. Repeat for any other desired day. When you reach a day for which you require a different program, simply carry out steps as described in 3 to 8 above to set the various times and temperatures for that day.



**NOTE.** The programming mode will automatically exit at any stage 20 seconds after the last key activity.

### REVIEWING THE PROGRAM

- With the remote in PROG mode, (the ON may not be showing), hold down the PROG button for at least 3 seconds. Then press the PROG button momentarily and repeatedly to step through the various programmed values which can be checked as you go, but do not hesitate more than 20 seconds at each step or the program will exit automatically.

### OPERATING IN THE PROG MODE

- Check that the day and time display are correct. Press the ON/OFF button, and the AUTO/MAN button, if necessary, until the display shows PROG. Note that the OFF display may still be showing when PROG is displayed. This does not indicate that the remote control is inactive, but that the present time is outside the programmed periods for the day.
- Place the remote control where it can sense the room temperature accurately, not near the heater, under a strong lamp or in sunshine. If wall mounting is desired, use the slide-on bracket supplied.
- To stop the heater from responding to the remote control, simply press the ON/OFF button to extinguish the PROG display.

### LOW BATTERY

When the batteries are low, the battery symbol on the display will flash. Replace the batteries (two AAA alkaline). If the batteries fail, the control will shut down the ECS system safely.

### FAHRENHEIT TEMPERATURES

To change the display from Celsius to Fahrenheit or vice versa,

- Switch OFF the remote, (making sure PROG is not displayed).
- Hold down the '-' button.
- While holding down the '-' button, press and release the '+' button.

The remote will hold its selected temperature type even when the batteries are replaced.