


#### j. Party Mode

Press the Selector button until  is displayed

The heating will switch 'On' and stay on until the next 'On' setting for maximum room temperature. The unit will then revert back to normal operation

To cancel this mode and return to the main display, press 

#### k. Holiday Mode

Press the Selector button until  is displayed

In this mode a room temperature can be selected for a certain number of days

Press the / buttons to select the required number of days, then press 

Press the / buttons to select the required room temperature, then press 

After the selected number of days have passed, the unit reverts back to normal operation

To cancel this mode and return to the main display, press 

#### l. Reset

Pressing the reset button clears all programmes, times and temperatures and resetting is required as detailed in Section 5

### 6. What is a Programmable Room Thermostat ?

The Easy-Stat is a programmable room thermostat that is both a programmer and a room thermostat. A programmer allows you to set 'On' and 'Off' time periods to suit your own lifestyle. A room thermostat works by sensing the air temperature, switching on the heating when the air temperature falls below the thermostat setting, and switching it off once this set temperature has been reached.

Therefore a programmable room thermostat lets you choose the times you want the heating to be on, and what temperature it should reach while it is on. It will allow you to select different temperatures in your home at different times of the day (and days of the week) to meet your particular needs.

Turning a programmable room thermostat to a higher setting will not make the room heat up any faster. How quickly the room heats up depends on the design of the heating system, for example, the size of boiler and radiators.

Neither does the setting affect how quickly the room cools down. Turning a programmable room thermostat to a lower setting will result in the room being maintained at a lower temperature, thereby saving energy.

The way to set and use your programmable room thermostat is to find the lowest temperature settings that you are comfortable with at the different times you have chosen, and then leave it alone to do its job. The best way to do this is to set low temperatures first, say 18°C, and then turn them up by one degree each day until you are comfortable with the temperatures. You won't have to adjust the thermostat further. Any adjustments above these settings will waste energy and cost you more money.

If your heating system is a boiler with radiators, there will usually be only one programmable room thermostat to control the whole house. But you can have different temperatures in individual rooms by installing thermostatic radiator valves (TRVs) on individual radiators. If you don't have TRVs, you should choose a temperature that is reasonable for the whole house. If you do have TRVs, you can choose a slightly higher setting to make sure that even the coldest room is comfortable, then prevent any overheating in other rooms by adjusting the TRVs.

The time on the programmer must be correct. Some types have to be adjusted in spring and autumn at the changes between Greenwich Mean Time and British Summer Time.

You may be able to temporarily adjust the heating programme, for example, 'Override', 'Advance' or 'Boost'. These are explained in the manufacturer's instructions.

Programmable room thermostats need a free flow of air to sense the temperature, so they must not be covered by curtains or blocked by furniture. Nearby electric fires, televisions, wall or table lamps may prevent the thermostat from working properly.

# Alpha

HEATING INNOVATION

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*These instructions have been carefully prepared but we reserve the right to alter the specification at any time in the interest of product improvement.*

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# ALPHA 7-DAY EASY-STAT - 6.1000260

## (2 Channel / Pre-commissioned)

### 1. Description

The Alpha Easy-Stat is a radio frequency 7-Day 2-channel clock and room thermostat. It consists of a Transmitter, with a boiler mounted Receiver as shown in Fig. 1. Maximum and minimum room temperature control can be pre-programmed. Each day can be programmed with the same – or different – time periods for both heating and hot water. These can be temporarily or permanently overridden to increase or decrease the desired temperature setting for heating or on/off periods of heating or hot water. The Easy-Stat's transmitter is battery powered using two AA size alkaline batteries. The batteries should operate the unit for approximately 18 months to 2 years depending on the number of switching operations etc. When the batteries need replacing, a low battery symbol  flashes in the display. After replacement, only the time will need to be reset (the programmes and temperature settings are stored when the batteries are removed).

**Note:** If the batteries are not replaced and no valid signal is received from the Transmitter, the Receiver's neon light will flash every 0.5 seconds. After 1 hr the boiler will operate in 'Emergency mode' (heating on for 4 min. and off for 9 min.) until the batteries are replaced.



2-channel Easy-Stat Transmitter



Easy-Stat Receiver

Fig. 1

### 2. Installation of Receiver into boiler - see Fig. 2

Ensure the electrical supply to the boiler is isolated.

- Lower the front cover and remove the two fixing screws (one each side) securing the control panel. Close the front cover and lower the control panel.
- Remove the two screws securing the clock cover at the rear of the control panel and remove cover.
- Remove and discard the clock blanking panel.
- Connect the boiler wiring to the receiver.

**Brown wire to terminal 1**

**Blue wire to terminal 2**

**Black wire to terminal 3**

**Grey wire to terminal 4**

**White wire to terminal 5**

**ENSURE WIRING IS CORRECT**

- Insert the Receiver into the opening and secure in place with the screws supplied fitted in the control panel.
- Replace the clock cover. Do not overtighten the fixing screws.
- Leave the control panel open until commissioning procedures have been completed.

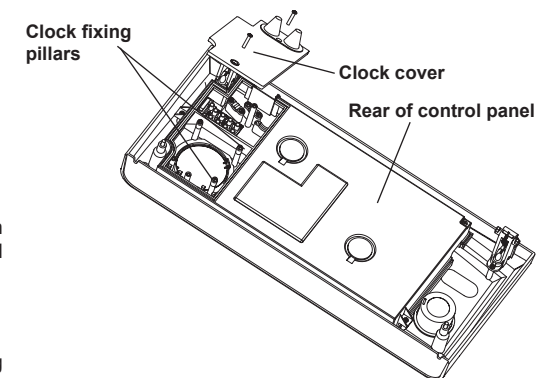


Fig. 2

### 3. Installation of Transmitter - see Figs. 3 and 4

Locate and fit the Transmitter as in Fig. 4, taking into consideration where not to position the Transmitter as shown in Fig. 3. The following can reduce, deflect or block radio frequency signals between the Transmitter and Receiver.

- Steel reinforced walls.
- Large metallic objects e.g. kitchen appliances, filing cabinets, mirrors etc.
- Maximum distance between Receiver and Transmitter is:-
  - In open air 50m.
  - In building 20m to 30m depending on radar obstruction.

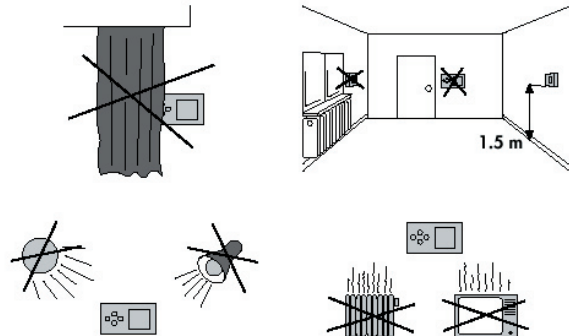


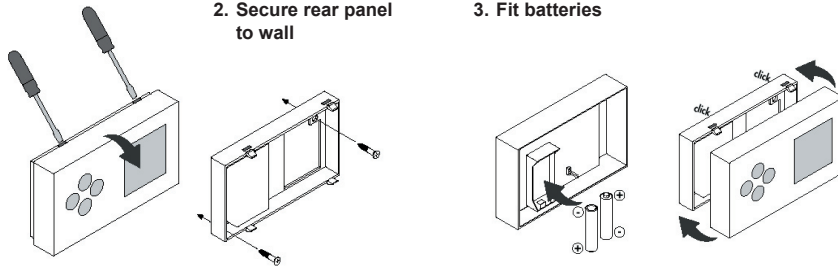
Fig. 3

1. Remove wall mounting rear panel from

2. Secure rear panel to wall

3. Fit batteries

4. Re-assemble Transmitter to rear panel



Ensure the batteries (2 x 1.5V L26/AA) are correctly fitted

Fig. 4

### 4. Commissioning

- The Receiver and Transmitter have been pre-commissioned at the factory, therefore the radio link between them has already been established. However, if the Receiver or Transmitter has been changed then full commissioning will be required as follows:-

Turn on electrical supply to boiler and turn boiler selector to

- Press and hold the black button on Receiver until the LED light has flashed twice.
- Release the button and the LED light will remain illuminated.
- Press and hold the top and bottom button on the Transmitter at the same time until Ed 01 is displayed. Then press .
- Then, Fu on (flashing) is displayed. Then press .
- The symbol will flash on the Transmitter display approximately every 5 seconds. The Transmitter is now in continuous radio operation.
- When a signal is received from the Transmitter, the Receiver LED will go out. The radio link between the Transmitter and Receiver is now established.
- Press the Selector button or to return to normal operation.

- Receiver** - When operating in heating mode and an 'ON' signal is received the Receiver led will illuminate continuously. When an 'OFF' signal is received the led will flash intermittently.
 

**Note:** When operating in the hot water mode, the Receiver LED will not illuminate.
- Transmitter** - In normal operation the display will show the temperature and time as shown in Fig. 5 for 50 seconds and then the hot water programme for 10 seconds.

### 5. User Instructions - see Fig. 5

#### a. Set Time

Press the Menu button once, flashing is displayed

Press the buttons to set current hour, then press

Press the buttons to set current minute, then press

Press the buttons to set current day, then press

#### b. Select Heating or Hot Water Programme

The **Prog.** symbol will be displayed, indicating the Heating programme. When the Hot Water programme is required, press and **Prog.** will be displayed.

#### c. Set Maximum Room Temperature

Press the Menu button until flashing is displayed

Press the buttons to select the required maximum room temperature, then press

#### d. Set Minimum Room Temperature

Press the Menu button until flashing is displayed

Press the buttons to select the required minimum room temperature, then press

#### e. Set Heating Programme

Press the Menu button until a flashing P1, P2 or Pd is displayed

P1 - ON between 7am and 11pm

P2 - ON between 6am and 9am then 5pm and 10pm

Pd - Daily programmes can be set individually

**Note:** Programmes P1 and P2 cannot be changed

Select the programme required by pressing the or buttons. To set Pd programme, select Pd then press , press the button for **OFF** periods and the button for **ON** periods (each press covers a 30 minute period). Press and repeat for each day. (The ON and OFF periods can be visually seen along the bottom of the display)

#### f. Set Hot Water Programme

With **Prog.** displayed, press the or buttons to select the programme required, P1, P2 or Pd, using the same procedure as above for 'Set Heating Programme'

#### g. Override Mode

i) To override the Heating programme settings, press the or button and is displayed. Press the or buttons to the required room temperature. This will continue until the next programme setting and then revert back to normal operation. To cancel this mode and return to the main display, press the Selector button.

ii) To override the Hot Water programme settings, press the Selector button until is displayed, press the button to turn the hot water ON or OFF. To cancel this mode and return to the main display, press the Selector button

**Note:** The Hot Water will remain in the override state until cancelled

iii) To override the Heating and Hot Water simultaneously follow Heating override i) press , is displayed. Press the button to turn the Hot Water ON or OFF. To cancel this mode and return to main display, press the Selector button

**Note:** The heating override will continue until the next programme setting and then revert back to normal operation. The Hot Water will remain in the override state until cancelled.

#### h. Continuous Minimum Room Temperature Mode

Press the Selector button until is displayed. The minimum set temperature will now be maintained. To cancel this mode and return to the main display, press

#### i. Continuous Maximum Room Temperature Mode

Press the Selector button until is displayed. The maximum set temperature will now be maintained. To cancel this mode and return to the main display, press

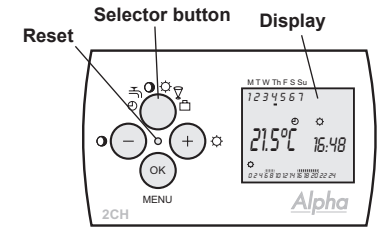


Fig. 5