

PLEASE LEAVE THIS INSTRUCTION  
WITH THE USER

GB

# Format B

*User instructions*



*The code of practice for the installation,  
commissioning & servicing for central heating systems*

**WRAS**  
APPROVED  
PRODUCT



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TIME CLOCKS 24 hr MECHANICAL EASY-STAT - Part No 8092221

*These appliances comply with the S.E.D.B.U.K. scheme, band "D"*

### **VERY IMPORTANT!**

**PLEASE MAKE SURE YOUR LOG BOOK ENCLOSED IS FILLED IN CORRECTLY.**

**ALL CORGI REGISTERED INSTALLERS CARRY A CORGI ID CARD.**

**BOTH SHOULD BE RECORDED IN YOUR CENTRAL HEATING LOG BOOK.**

**YOU CAN CHECK YOUR INSTALLER IS CORGI REGISTERED**

**BY CALLING ON 01256 372300**

# OPERATING INSTRUCTIONS FOR THE USER

THE GAS SAFETY (INSTALLATION AND USE) REGULATIONS 1996. It is the law that all gas appliances are installed by a registered person, in accordance with the above regulations. Failure to install appliances correctly could lead to prosecution. It is in your own interest, and that of safety, to ensure that the law is complied with.

**It is essential that the appliance is correctly earthed. An electricity supply of 240 V - 50 Hz fused at 3 A is required.** Read these instructions carefully before attempting to operate the appliance.

## 1.1 INTRODUCTION

The Sime "FORMAT B" family is a fully automatic, wall mounted, room sealed, fan assisted range of combination boilers. When operating in winter mode, the appliance provides central heating as required and produces instantaneous hot water upon demand.

When operating in summer mode, the central heating is not operational however the appliance continues to supply hot water whenever it is required.

The heat output is automatically controlled by the fully modulating gas valve (within its pre-set limits), and there are user adjustable potentiometers to control the temperature of both central heating and domestic hot water.

A temperature/pressure gauge is fitted and an overheat thermostat is incorporated to protect against fault conditions.

## 1.2 APPLIANCE OPERATION

A demand of hot water will be sensed by the appliance detecting water flow (providing that the flow rate is above 2 l/m - 0.5 gal/min).

The fan will start and the burner will light at full output. If

the draw off rate is near the maximum design flow rate the appliance will run continuously at full output until a tap is either turned off or the flow rate is reduced in which case the heat output will reduce accordingly to maintain a steady temperature.

Hot water is made available almost immediately at the appliance outlet, but the final temperature and time taken for the hot water to reach a tap depends upon the potentiometer setting, the rate at which water is drawn off, and the length of the pipe between the boiler and the tap.

When the tap is turned off, the appliance will revert to C.H. mode (if set on winter position) otherwise the burner will be extinguished pending the next demand for hot water.

## 1.3 OPERATING INSTRUCTIONS

### 1.3.1 To light the appliance (see fig. 1)

- Check that the electricity supply is off and that the D.H.W. isolation valve is in the open position (lever vertical). Check that the gas supply is on.
- Turn the selector switch summer/winter (C) to SUMMER (water only) position "☀".
- Switch on the electricity supply and full open any D.H.W. tap. The burner will light. Check that the burner has lit by looking through the viewing window (F). If the burner fails to light, turn the selector switch summer/winter to "🔥" position and release it immediately; then turn it to the SUMMER position: the burner should now light. Turn off the tap.
- Check that the room thermostat and time clock are calling for heat. Turn the heating potentiometer (D) to maximum (fully clockwise).
- Turn the selector switch summer/winter to the WINTER position "❄" and the burner will light to serve the heating load.

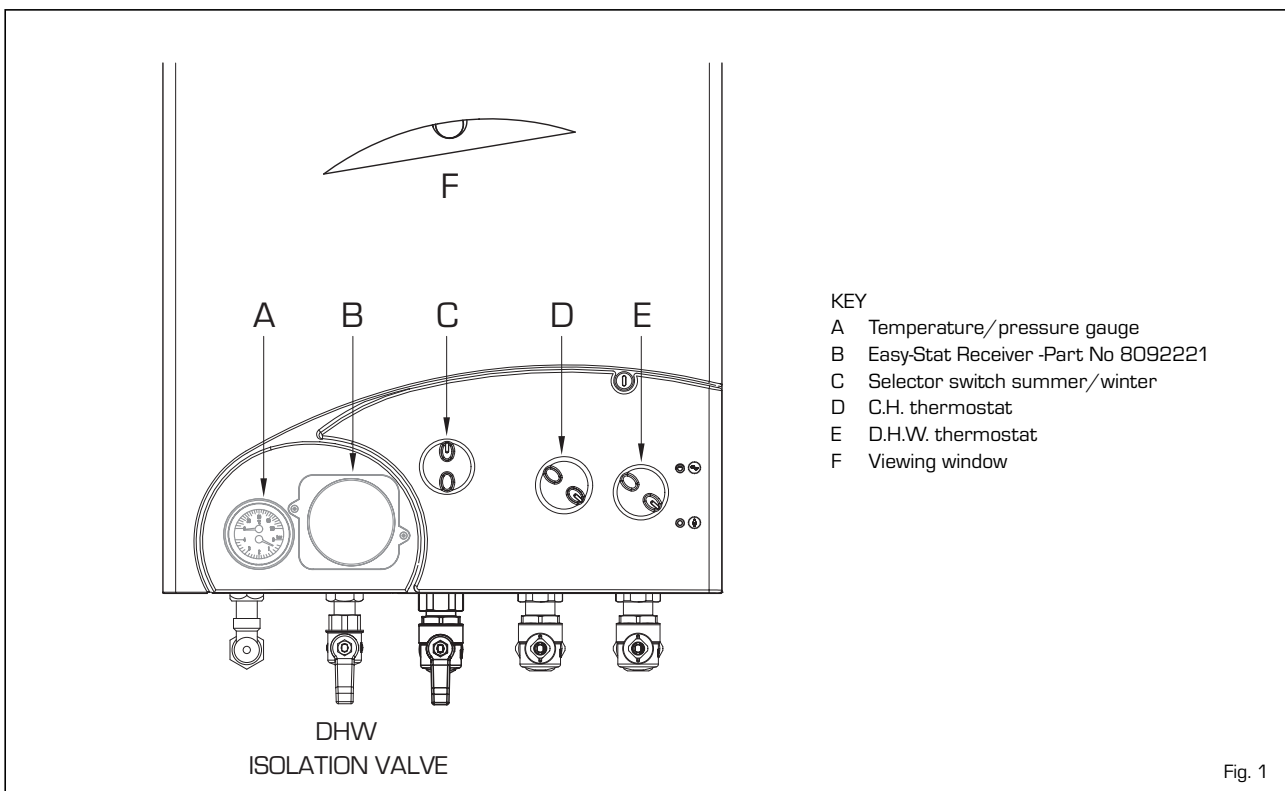


Fig. 1

Set the required temperature for the C.H. and D.H.W. by rotating the potentiometers (D - E) clockwise to increase or anticlockwise to decrease the temperature.

**NOTE:** when operating in winter mode, priority is automatically given to providing hot water when the demand arises.

### 1.3.2 To turn the appliance off (see fig. 1)

- **For short periods:**  
Set the selector switch summer/winter (C) to OFF position. When required restore the switch to the SUMMER or WINTER position and turn on the D.H.W. isolation valve.
- **For longer periods:**  
Set the selector switch summer/winter (C) to OFF position and isolate the gas service cock.  
When required restore the switch to the WINTER or SUMMER position and turn on the D.H.W. isolation valve.  
Do not isolate the mains electricity or gas supply if frost protection is required.

**NOTE:** when gas and electrical supplies must be turned off, the entire system should be drained, including the domestic water system.

## 1.4 MINIMUM CLEARANCES

The following MINIMUM CLEARANCES must be available for servicing the appliance:

	For ventilation	For servicing
<b>ABOVE THE APPLIANCE CASING</b>	200 mm	300 mm
<b>AT THE R.H.S.</b>	15 mm	15 mm
<b>AT THE L.H.S.</b>	15 mm	15 mm
<b>BELOW THE APPLIANCE CASING</b>	200 mm	200 mm
<b>IN FRONT OF THE APPLIANCE</b>	350 mm	500 mm

## 1.5 ROUTINE SERVICING

To ensure continued efficient operation of the appliance, it is recommended that it is checked and serviced as necessary at regular intervals.

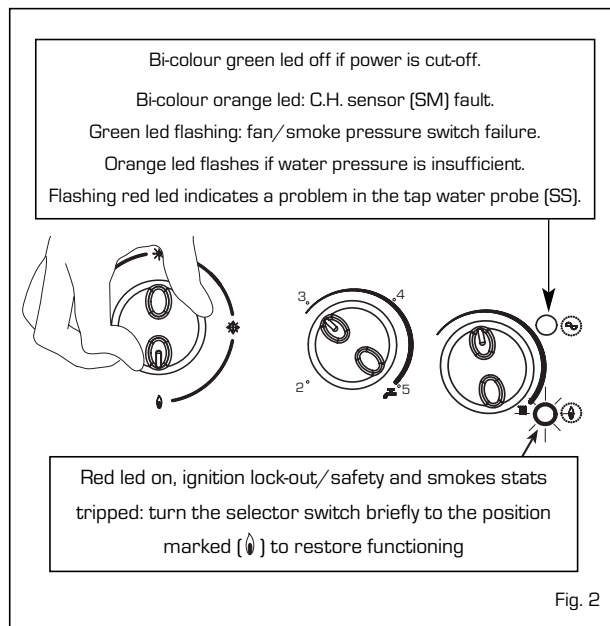
The frequency of servicing will depend upon the particular installation conditions and usage but in general once a year should be adequate. It is the law that any service work must be carried out by a registered person (C.O.R.G.I.).

## 1.6 GENERAL INFORMATION

### 1.6.1 Fault finding indicators (LEDS)

The appliance is fitted with a safety cut-out thermostat. In the event of overheating this will interrupt the power supply and prevent the appliance from functioning.

If this occurs, allow the appliance to cool, turn the selector switch summer/winter to "⏻" position and release it immediately, then turn it back to the previous position (see fig. 2). If the cut-out condition is repeated, turn off the electrical supply and consult your installer or service engineer.



### 1.6.2 Temperature/pressure gauge

The gauge (A fig. 1) on the fascia panel indicates the approximate system pressure. If the normal running pressure is seen to decrease over a period of time there is a water leak and you should consult your installer or service engineer.

### 1.6.3 Electrical supply

The mains plug used must be a 3 pin type to BS1363, and fused at 3 A. THIS APPLIANCE MUST BE EARTHED.

**NOTE:** an interruption in the electricity supply whilst the burner is alight may cause the overheat thermostat to operate. If this is suspected, turn the rotary switch to "⏻" position and release it immediately, then turn it back to the previous position.

### TO CONNECT A PLUG

As the colour of wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:  
the wire which is coloured green and yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol - or coloured green and yellow; the wire which is coloured blue must be connected to the terminal marked with the letter N or coloured black; the wire which is coloured brown must be connected to the terminal marked with the letter L or coloured red.

### 1.6.5 Ventilation

If the appliance is installed in a cabinet, the latter MUST NOT be used for storage purposes.  
Any ventilation provided for the appliance during installation MUST NOT be blocked and a periodic check must be made to ensure that the vents are free from obstructions.

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### 1.6.6 Cleaning

Use only a damp cloth and mild detergent to clean the appliance outer casing. **DO NOT** use abrasive cleaners.

## 1.7 SAFETY

It is essential that the instructions in this booklet are strictly followed for the safe and economical operation of this appliance.

The appliance functions as a fan assisted balanced flue unit. The flue terminal **MUST NOT BE OBSTRUCTED** under

any circumstances. If damaged, turn off the appliance and consult the installer, service engineer, or gas supplier. If it is known or suspected that a fault exists on the appliance it **MUST NOT** be used until the fault has been rectified by a competent person.

**WARNING: IF A GAS LEAK IS SUSPECTED OR EXISTS, TURN OFF THE GAS SUPPLY TO THE APPLIANCE AT THE GAS SERVICE COCK. DO NOT OPERATE ANY ELECTRICAL SWITCHES. DO NOT OPERATE ANY ELECTRICAL APPLIANCE. OPEN ALL WINDOWS AND DOORS. DO NOT SMOKE. EXTINGUISH ALL NAKED LIGHTS. CONTACT THE GAS SUPPLIER IMMEDIATELY.**

User Instructions - see Fig. 5

**Note:** Panel (A) slides back to reveal quick reference user instructions (B).

**a. Set Time**

Slide cover (D) off the Transmitter (C).  
Turn the outer dial clockwise to set the clock hands to the correct time. Ensure the time corresponds with the correct time on the 24hr dial as shown. e.g. 3.00pm = 15 not 3.

**Note:** Do not rotate anti-clockwise or damage may occur to the unit. Rotate the minute hand with your finger to set the exact time.

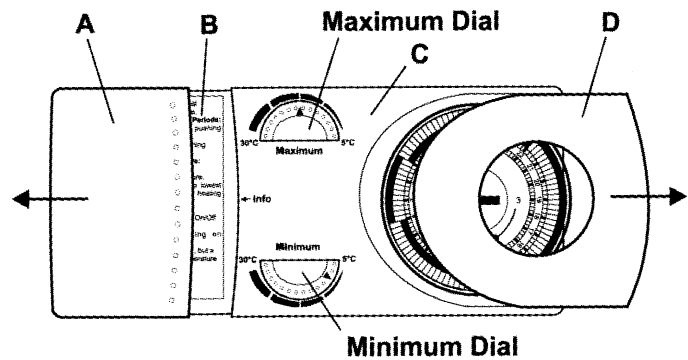


Fig. 5

**b. Set Heating ON/OFF Periods**

Select the ON times by pushing the tappets to the outside.

Select the OFF times by pushing the tappets to the inside.

Fig. 6 shows the clock set as follows:

- ON 3.00pm to 10.00pm (15-22)
- OFF 10.00pm to 5.00am (22-5)
- ON 5.00am to 8.00am (5-8)
- OFF 8.00am to 3.00pm (8-15)

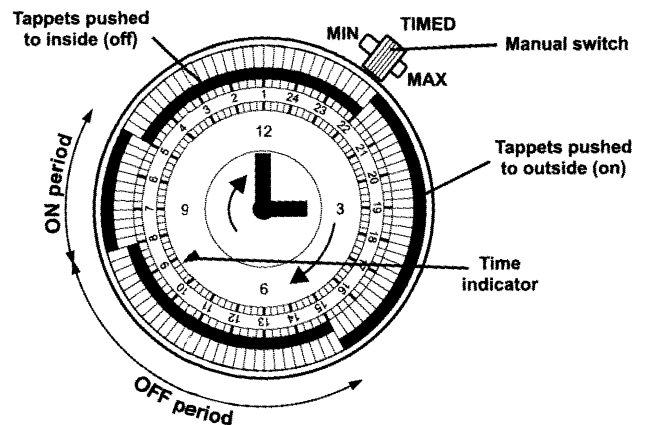


Fig. 6

**c. Set Maximum/Minimum Room Temperatures**

Maximum setting - Rotate the Maximum dial (see Fig. 5) to give the required room temperature upto 30°C when heating is on.

Minimum setting - Rotate the Minimum dial (see Fig. 5) to a lower temperature down to 5°C to ensure that when the heating is off a minimum room temperature is maintained.

**d. Manual Switch - see Fig. 6**

The clock has a manual heating ON/OFF switch which operates as follows:

TIMED position - Heating On/Off as set by tappets.

MAX position - Heating On continuously.

MIN position - Heating Off, but a minimum set room temperature is maintained.





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