

GENERAL INFORMATION

GAS SAFETY (INSTALLATION AND USE) REGULATIONS

It is the law, in GB, that all gas appliances must be installed by a competent person in accordance with the above regulations. Failure to install appliances correctly could lead to prosecution. It is in your interest and that of safety to ensure compliance with the law. The manufacturer's notes must not be taken, in any way, as over-riding statutory obligations.

In GB, a competent person is someone registered with CORGI. All CORGI registered installers carry a CORGI ID card and have a registration number. Both should be recorded in the BENCHMARK checklist. You can check that your installer is CORGI registered by calling CORGI on 01256 372300.

WARNING: This appliance must be earthed and protected by a 3 amp fuse to BS 1362.

ELECTRICITY SUPPLY: 230V ~ 50Hz

IMPORTANT: To get the best from your Worcester Si II appliance please read these instructions carefully.

NOTE: In the event of a fault the appliance should not be used until the fault has been corrected by a competent person.

BENCHMARK

The Benchmark initiative is a code of practice to encourage the correct installation, commissioning and servicing of domestic central heating boilers and system equipment.

A checklist can be found in the back of every installation manual. **This is a vital document that needs to be completed by the installer at the time of installation. It confirms that the boiler has been installed and commissioned according to the manufacturers instructions.**

In Eire the declaration found in IS 813 must be completed. Without completion of the checklist and/or declaration, manufacturers may refuse to respond to a call-out request. It is important that the checklist and/or declaration are fully completed by your installer.

GENERAL DESCRIPTION

(See Fig.1.)

The WORCESTER Si II MODELS are combined domestic hot water and central heating appliances. They consist of a gas fired boiler having a varying output of between 6.9kW and 24kW (24Si II) or 8.1 and 28kW (28Si II), and all the necessary controls to provide mains fed domestic hot water and central heating.

The appliances are fitted with a manual ON/OFF Switch.

The appliances can operate in one of two modes. Hot water only or hot water and central heating.

Hot Water Mode:

The appliance operates to supply only domestic hot water when the heating temperature mode is fully anti-clockwise, at the — position or the timer is programmed to OFF mode.

The flow is limited within the appliance to give a hot water delivery rate to a maximum of 9.0 ($\pm 15\%$) litres/minute-25Si or 10.0 ($\pm 15\%$) litres/minute-28Si.

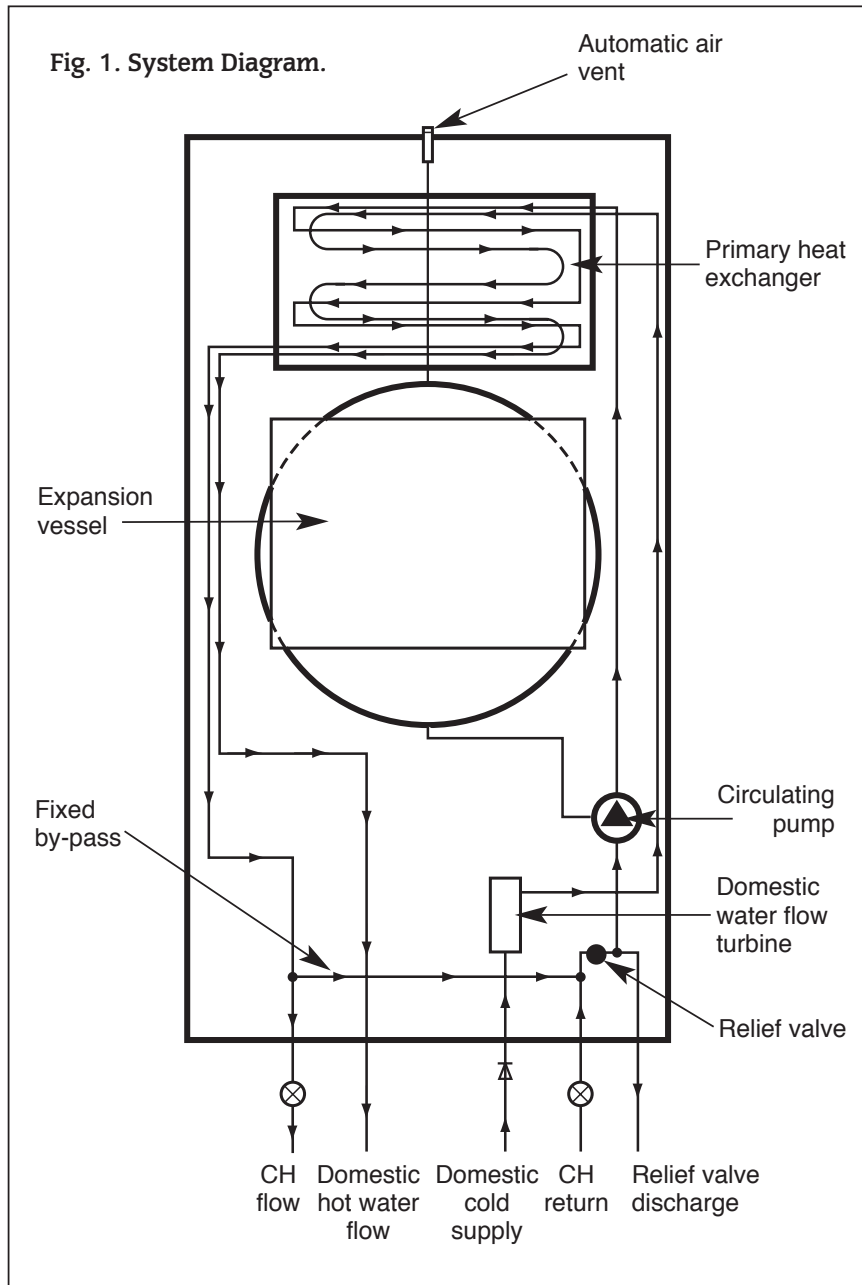
Hot Water and Central Heating mode:

When a demand is made for heating by the system controls (i.e. a programmer or room thermostat).

The pump will energise circulating primary water around the heating system and the burner will light. The heat output from the appliance in this mode has been factory set to maximum. The appliance will operate as necessary to maintain the temperature of the radiators at the level set by the adjustment of the Heating Temperature Control Knob. (See Fig. 2.)

If the system no longer requires heat to maintain the desired room temperature, the burner will extinguish. The pump will continue to run for a short period to dissipate the residual heat from the appliance and then switch off.

The appliance will supply heat to the central heating system as required. A demand for hot water at a tap or shower will override the central heating function for the period of the domestic hot water demand.



USE IN HARD WATER AREAS

Normally there is no need for scale protection. However, in areas of exceptionally hard water supply it is recommended that an In-Line scale inhibitor be fitted.

Installation should be strictly in accordance with the requirements of the local Water Company. An isolating valve to facilitate servicing should be incorporated.

The water hardness may be determined using the standard test paper or by reference to the local Water Company.

Further information may be obtained from The Worcester Technical Helpline.

VENTILATION OF ROOM SEALED FANNED FLUE (RSF) APPLIANCES

These are room sealed appliances and any ventilation openings in a wall or door must not be obstructed. Do not allow the flue terminal fitted on the outside wall to become obstructed or damaged.

NOTE: Do not place anything on top of the appliance.

If the appliance is fitted in a compartment do not use the compartment for storage purposes unless it conforms to the requirements of BS 6798:1987: Section 6. It is essential that the airing space is separated from the boiler space by a perforated non-combustible partition as described in BS 6798:1987.

CIRCULATING PUMP

This may be fitted with a speed adjuster. If so it will be factory set at maximum and should not be changed.

FROST PRECAUTIONS

If the appliance is not to be used for a long period of time and there is a likelihood of freezing, then the appliance should be drained. The Worcester Technical Helpline will advise you on suitable frost precautions. For short periods the built-in frost protection of the appliance will be adequate.

SERVICE

Annual servicing is important in order to ensure continuing high efficiency and long life for your appliance. In the event of any difficulty in making suitable servicing arrangements, Worcester personnel or other competent persons will discuss regular servicing arrangements and offer a comprehensive maintenance contract.

WARNING

If a gas leak exists, or is suspected, turn off the gas supply to the appliance at the service cock and consult your local service engineer.

Do not touch any electrical switches to turn them either on or off. Open all windows and doors. Do not smoke. Extinguish all naked lights.

CLEANING

Do not use abrasive cleaners on the outer casing. Use a damp cloth and a little detergent.

Under no circumstances should any seal on the boiler be broken.



OPERATION OF CONTROLS

The appliance is fitted with the following controls:

OPERATING SWITCH

In the '0' position there is no mains electricity to the control board.

In the 'I' position mains electricity is connected to the control board.

CENTRAL HEATING TEMPERATURE CONTROL

The position of this knob will determine the temperature of the water delivered to the radiators between fully clockwise and anti-clockwise to the ► mark. When the knob is turned anti-clockwise past the ► position towards the '☀' (Summer Position), then the appliance will operate in the HOT WATER mode only and no heat will be delivered to the radiators.

DOMESTIC HOT WATER TEMPERATURE CONTROL

The position of this knob will determine the temperature of the water delivered at the domestic hot water taps between fully clockwise and anti-clockwise positions.

By slightly reducing the flow of domestic water from the tap, the delivery temperature of the water will be further increased. This is of particular advantage in the winter, for example to increase bath water temperature and to remove heavy grease deposits on plates, etc. Also this will provide an added advantage of reducing the delay before hot water is obtained.

FACIA MOUNTED PROGRAMMER (if fitted)

Your installer may have mounted either a mechanical or an electronic programmer into the fascia of your appliance. Operating instructions are supplied with the programmer.

RESET BUTTON

Press this button in for five seconds if the indicator light is flashing slowly.

If indicator lamp is flashing fast turn power OFF and ON at the boiler to reset.

SYSTEM PRESSURE GAUGE

The black needle will show the actual pressure in the system. When operating the pressure indicated must not be greater than 2.5bar. If it is then contact your installer.

INDICATOR LIGHTS

Flame detection indicator:



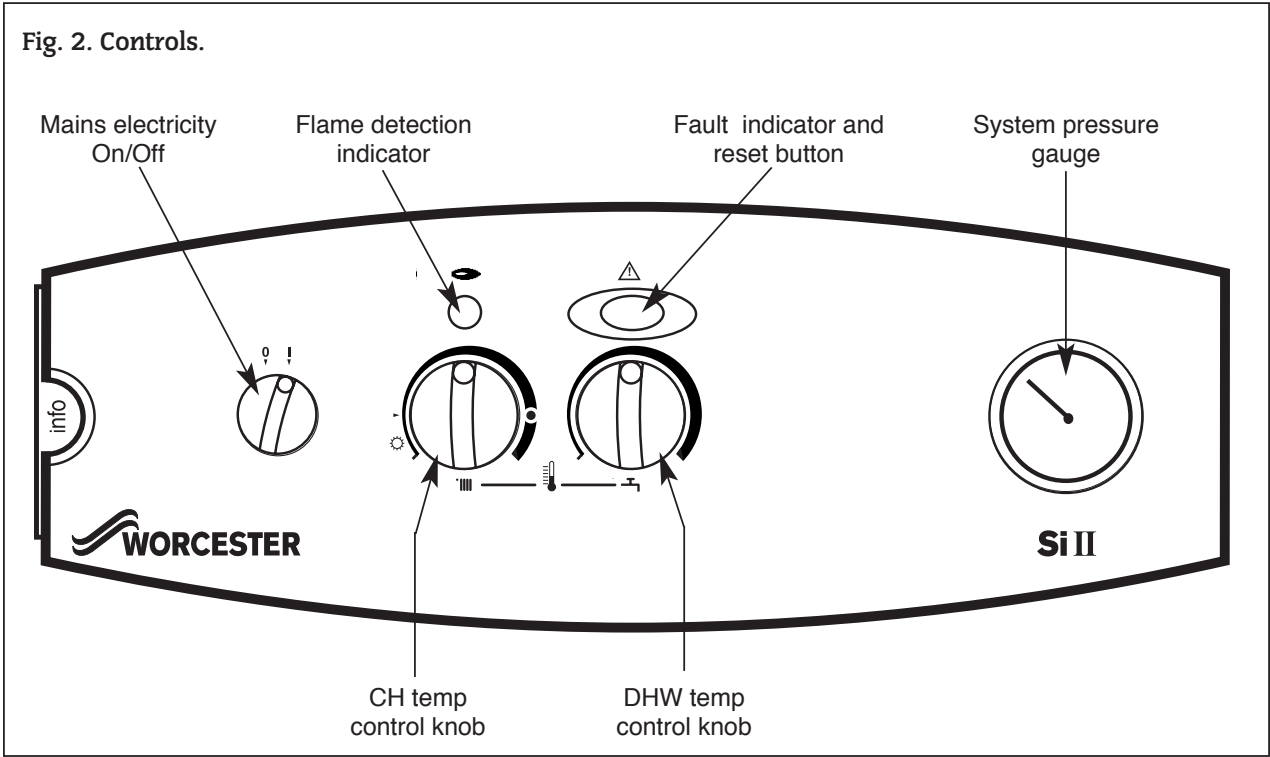
OFF: Burner off
ON: Burner on



Fault indicator:

FLASHING SLOW: Ignition lockout or boiler overheat
(once per second)

FLASHING FAST: Appliance fault
(five times a second)





TO LIGHT AND STOP THE APPLIANCE

TO LIGHT THE APPLIANCE

Check that the water valves to the central heating circuit are open.

Check that the black needle on the pressure gauge is not below the required pressure.

Switch on the mains electricity. Set the room thermostat to maximum. Turn the central heating temperature control knob fully clockwise.

The burner will light and the red flame detection indicator will light.

Set the central heating and hot water temperature control knobs and the room thermostat, if fitted, to the desired temperature.

TO STOP THE APPLIANCE

For Short Periods

Turn the central heating temperature control knob fully anti-clockwise to the 'O' position.

For Long Periods

Turn the operating switch to the 'O' position. Switch off the mains electricity.

A fascia mounted electronic programmer will retain its settings for about two weeks, after which it will return to the factory set programme. The time will be saved for approximately 7 hours. The display will disappear after approximately 1 hour.

A fascia mounted mechanical programmer will require resetting once the operating switch has been set to 'O', or the mains supply has been disconnected.

ELECTRICITY SUPPLY FAILURE

If the electricity supply fails the appliance will not operate. Once the supply is restored the appliance will return to normal operation. If a programmer is fitted, check that the settings have been maintained.

OVERHEAT CUT-OFF THERMOSTAT

The appliance will enter a lockout condition in the event of overheating.

An overheat cut-off thermostat is fitted to the appliance which will interrupt the electricity supply to the gas valve.

If the overheat cut-off has operated, the fault indicator will flash once a second. If this condition continues to occur, then call a service engineer.

The appliance can be reset by pressing the fault indicator button and holding in for 5 seconds when the appliance has cooled.

MAINTAINING YOUR APPLIANCE

Your new Worcester Si gas-fired appliance represents a long-term investment in a reliable, high quality product.

In order to realise its maximum working life, and to ensure it continues to operate at peak efficiency and performance, it is essential that your boiler receives regular, competent servicing and annual maintenance checks beyond the initial 24 month guarantee period*.



Regular service contracts can be arranged with your installer – however if you have difficulty making a satisfactory arrangement simply contact Worcester on **08457 256206** for help.

If you would like to know more about Worcester's extended warranty options please tick the appropriate box on your warranty registration card.

*subject to terms and conditions on page 15.



CONTACT NUMBERS:

UK Contact Centre	Tel.	08457 256 206
UK Contact Centre	Fax.	01905 757536
Scotland only	Fax.	01506 441 687
Eire	Tel:	01 494 0099

OPERATING HOURS:

Mon - Fri	7.00am to 8.00pm
Sat	8.00am to 5.00pm
Sun	9.00am to 12.00pm

Please contact our UK Contact Centre number where our friendly operators will book your call with one of our team of nationwide engineers.

NOTE:

Please refer to our website for our bank holiday opening hours.

www.worcester-bosch.co.uk

