

Dimplex

CXT ULTRA-SLIM

Storage and Convector Heaters

WARNING – THE SURFACES OF THIS HEATER CAN BE HOT

The surface temperatures of this heater are within the requirements of BS3456, the British Standard covering the safety requirements of electric heating appliances, and momentary contact with any part of the heater should not cause injury. However, in order to be effective, heaters of any type do get hot, especially (if applicable) around the air outlet grille. Therefore, if aged or infirm persons, or young children, are left unsupervised in the vicinity of a heater precautions should be taken to ensure that prolonged contact with the heater cannot occur. For example, some form of guard may be fitted around the heater, as is normal with some other types of heating appliances in similar circumstances.

IMPORTANT

These instructions should be read and carefully retained by the user. Note also the information given on the appliance.

PLEASE NOTE: YOUR STORAGE CONVECTOR HEATER IS VERY HEAVY. FOR SAFETY IN USE IT MUST BE SECURELY FIXED TO A SOUND WALL. If you are not happy that the heater has been securely fixed, please inform your installer.

Models CXT12, CXT18 and CXT24

Your CXT combined storage heater and convector heater enables you to take advantage of cheap off-peak electricity to provide the bulk of your heating requirements, with the added flexibility of a built-in, thermostatically controlled convector heater. This allows you to provide top-up heat for example in very cold weather when the storage heater may not have sufficient stored heat in reserve later in the day for providing full comfort conditions.

These Operating instructions assume that the correct sizes of heaters have been selected to cater for the heating requirements of the room.

STORAGE HEATER OPERATION

The storage heater section stores heat overnight using cheap off-peak electricity, and discharges this heat during the following day.

SETTING THE CONTROLS

The storage heater controls are concealed under a flap.

The control knobs have been designed to avoid accidental movement. They may be adjusted by opening the flap and inserting the edge of a coin in the slot provided in the face of the knob, and turning as necessary.

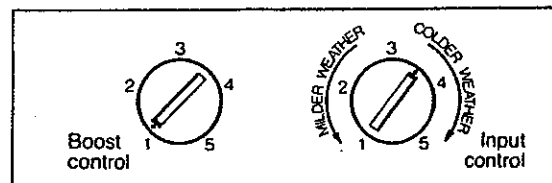
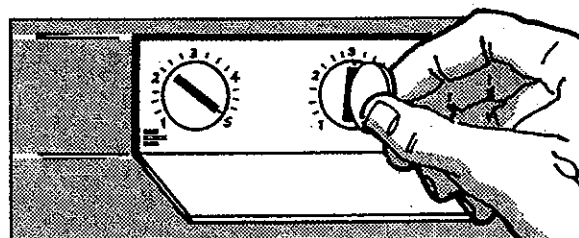
DOMESTIC USE

In cold weather the right hand (INPUT) knob should be set to 5 (maximum). In milder weather set this control to a lower position.

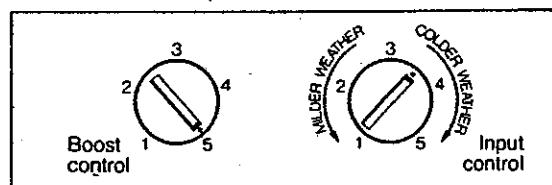
Normally the left hand (BOOST) knob may be left on position 1. This control may be moved to 5 *in the evening* if additional heat is required at that time. Return to setting 1 before retiring.

COMMERCIAL USE

For Commercial applications setting 5 on the BOOST control will ensure maximum output of the storage heater during working hours. The input control should be set as described above for Domestic use.



Should these settings not provide the comfort levels required, the more detailed instructions overleaf should be consulted.



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INPUT CONTROL

The setting of this control determines the amount of charge taken in by the heater, which in turn determines the temperature of the heater's storage core. The higher the charge taken the higher the core temperature.

In cold weather the heater should be set to take a high charge, the control being set to number 5 for a maximum charge.

In the Autumn and Spring a lower setting of the input control should be sufficient, the actual setting required being influenced by the prevailing weather conditions, the room size and insulation levels. The most suitable settings will be found by experience.

BOOST CONTROL

Dependent upon the amount of charge taken in by the heater the BOOST control allows the release of additional heat by means of a damper which can be opened to allow a greater air flow through the heater core, and therefore additional circulation of heat. By altering the setting of the boost control knob the damper may be opened and closed manually, or it may be made to open automatically.

MANUAL OPERATION

With the BOOST control on setting 1 the damper remains closed, and heat is released from the heater only by normal radiation and convection around the outer surfaces of the heater. This alone may provide sufficient heat on many occasions and therefore no alteration of the BOOST control is necessary. However, if a boost of heat is required in the evening period, then moving the BOOST control to setting 5 in the evening will immediately open the damper to allow more rapid release of any available stored heat. When the next charging period commences the damper will automatically close to prevent this release of extra heat during the charge period, but the BOOST control must be returned to setting 1 manually to obtain a similar operation the following day.

AUTOMATIC OPERATION

The damper may be pre-set to open automatically each day if required. Setting the BOOST control at settings other than position 1 results in an automatic earlier or later boost of heat. A higher setting of the boost control knob causes the damper to open earlier. A lower setting causes it to open later.

Because the automatic opening of the damper is primarily dependent on core temperature then the setting of the INPUT control determines indirectly the time at which the damper opens. For a given setting of the BOOST control, the higher the setting of the INPUT control the later the damper will open. Lower settings on the INPUT control will mean an earlier damper opening.

The most suitable settings of the BOOST control for different input settings will be found by experience.

Remember – a high setting of the BOOST control early in the day may leave too little heat stored in the heater for the evening, especially on low settings of the INPUT control.

CONVECTOR HEATER OPERATION

The convector heater section is intended for use when the output of the storage heater is not sufficient to maintain the desired comfort level normally. For the most economical operation of the CXT, the heating system should be designed so that the storage heater section provides the bulk of the heating requirements, and the convector heater section provides only top-up heat, for example, later in the day in cold weather.

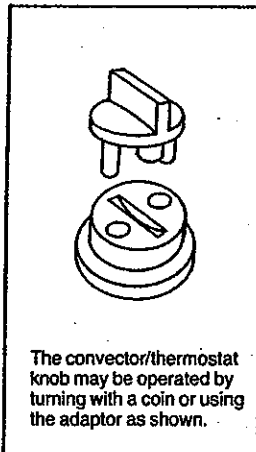
The convector circuit incorporates a limit thermostat which prevents the convector heater being used inadvertently during the off-peak period when the storage heater is charging.

SWITCHING ON

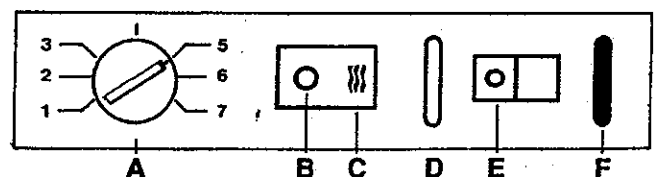
To put the convector switch E in the ON position, depress the right-hand side of the switch. The switch neon will glow if the convector is available for use. If the room temperature is below the thermostat setting neon B will glow, showing the convector is providing heat. (See paragraph above.)

SETTING THE THERMOSTAT

The thermostat knob A should be set to the comfort level required. Turning the knob clockwise will increase the room temperature selected, but the actual setting to provide the required conditions will be found by experience. If, when the convector heater is switched ON and available for use (see above), the room temperature is below that set on the control knob, neon B will be illuminated, showing the heater elements are energised.



SETTING THE CONTROLS



THE CONTROL PANEL

Key

- A Thermostat. Scale representing an approx. range of temperatures from 5 C to 35 C
- B Neon lit when convector heater using current.

- C Symbol representing heat convection.
- D Symbol representing 'OFF' position of convector switch.
- E Convector ON/OFF switch with neon to show when convector available for use. (See above.)
- F Symbol representing 'ON' position of convector switch.

PLEASE NOTE. Due to the newness of the materials used in manufacture, slight odours may be emitted from the heater when it is first switched on. It is therefore advisable to keep the room well ventilated, and persons suffering from respiratory conditions would be advised not to sleep in the same room until any odours have dispersed.

CLEANING

To maintain the external appearance of the heater it need only be wiped over occasionally with a dry duster. During the summer months, however, or at other times when the appliance is not in use and completely cold, opportunity should be taken to wipe over with a damp cloth. Do not use abrasive cleaning powders or furniture polish.

AFTER SALES SERVICE

Your Dimplex Storage Heater is guaranteed for one year from date of

purchase. We undertake to exchange or repair within this period, any part found to be defective due to a manufacturing fault. This guarantee in no way prejudices your rights under common law.

We are only too happy to advise should your storage heater not operate entirely to your satisfaction, but we have learned from experience that the complaints are generally of a minor nature which can easily be dealt with by the electrician who installed the appliance. To save you time and inconvenience, may we suggest therefore that you first check that any switch controlling the heater is in the 'on' position, and that the appliance was not inadvertently covered during the previous charging period. Then consult your electrician. He will be able to discuss your particular problem and check over the heater.

If, however, you or your electrician find it necessary to write to us, please give the following details. Model number of heater, Series letter, Colour/finish, Voltage of electricity supply, Date of purchase, Name and address of installing electrician, Nature of complaint.

 **Dimplex**

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