



## Operating Instructions

### IMPORTANT

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

T9211/006/A (94615)

## Dimplex *Comfort Control*<sup>™</sup> Fan Storage Heaters

### WARNING - THE SURFACE 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, we advise that 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 heaters as is normal with some other types of heating appliances in similar circumstances. If you require further information about guards please contact Dimplex.

### CAUTION:

DO NOT COVER SURFACES OF THE HEATER AND DO NOT OBSTRUCT AIR OUTLET GRILLES.  
SURFACES OF THE HEATER SHOULD NOT BE COVERED OR OBSTRUCTED AS THIS CAN CAUSE EXCESSIVE TEMPERATURES THAT CAN BE HAZARDOUS AND MAY CAUSE SAFETY CUT-OUTS TO OPERATE.

### PLEASE NOTE:

YOUR STORAGE HEATER IS VERY HEAVY, FOR SAFETY IN USE IT MUST BE INSTALLED ON A FLAT STABLE SURFACE WHICH IS CAPABLE OF SUPPORTING THE WEIGHT OF THE HEATER. THE HEATER MUST ALSO BE SECURED TO A SOUND WALL. NO ATTEMPT SHOULD BE MADE TO MOVE THE HEATER WITHOUT FIRST SEEKING SPECIALIST ADVICE. If you are not happy that the heater has been correctly installed, please contact your installer.

### 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.

## Models FCX18 and FCX24 - General Description

Your FCX fan storage heater consists of a core of high density heat storage bricks surrounded by high quality insulation panels. During the off-peak electrical supply period(s) elements within the core heat it to a level determined by the user via the input control knob setting.

Following a charge period, heat is released to provide warmth to the room. A certain level of heat is dispersed by natural convection and radiation from the heater case. However the FCX models have a high degree of insulation to minimise this 'static' discharge, and retain as much heat as possible within the heater.

The storage core has air channels within it and heat is also given out by using the built-in fan to blow air through the hot storage core and out of the low level air outlet grille making the front panel warm to the touch.

There is in addition a convector heater which can provide top up heat should the storage core become depleted. This convector can also provide heating during times of the year when the storage heater is not in use, i.e. late Spring and early Autumn.

To provide maximum control over the output of the heater there is a built-in room temperature sensing thermostat. This control allows the user to select the room temperature required. A full description of the operation of this control is contained in these instructions.

In the Operating Instructions given below, it is always assumed that the heaters have been sized correctly to cater for the heating requirements of the room in which they are installed.

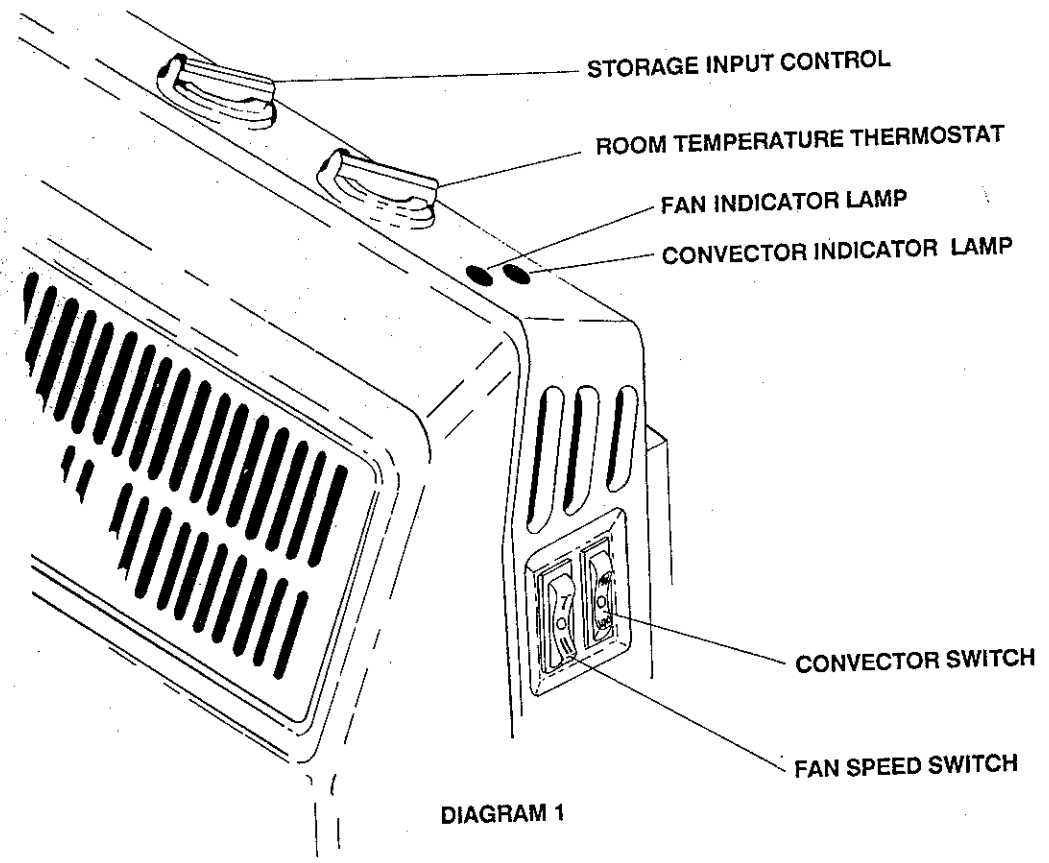


DIAGRAM 1

### Storage Input Control

This control knob is situated at the top of the heater. The setting on this control determines the amount of charge taken into the storage core of the heater. In very cold weather the control should be set to its maximum setting- Position No. 7 (see Diagram 2). In less cold weather lower settings should be selected. The actual settings required will be influenced primarily by the prevailing weather conditions but also by the room size and insulation levels. The most suitable settings will be found by experience. The lowest setting is a zero charge position which ensures that the heater takes no charge, for use for example during the summer (see Diagram 2). The control is fully variable so that intermediate settings can be selected but as a rule of thumb we recommend that it is preferable to set a high setting rather than too low a setting. The reason for this is that the excellent heat retention qualities of your heater will ensure that the heat is stored very efficiently and will either be available for use later or if not required a proportion will be carried over to the next off peak period thereby reducing the amount of charge required, which will result in reduced running costs.

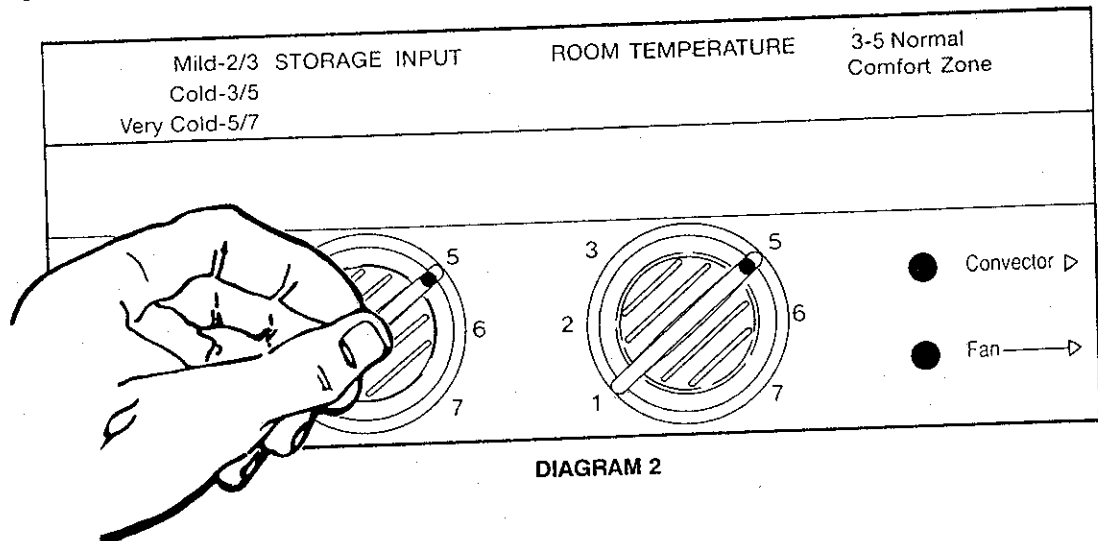


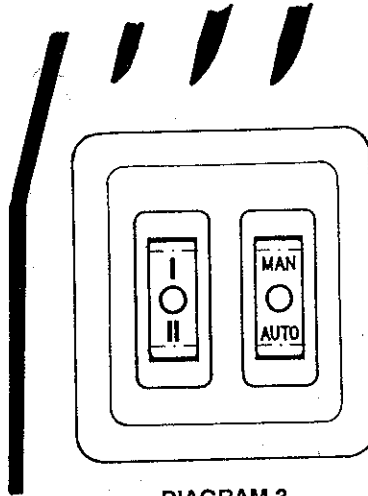
DIAGRAM 2

**IMPORTANT:** In order to obtain the most economical performance from your heater remember to adjust the storage input control to ensure that it is at least set to a level suitable for the prevailing weather conditions. Unless it is very mild you are unlikely to want a setting below Position 4 (see Diagram 2) to ensure the maximum use of off peak cheap price stored heat.

## Fan Speed Switch

This is a three position rocker switch situated on the right hand side of the heater near the top. It controls the speed of the fan that extracts the heat from the storage core and blows it out from the bottom grille. In the centre position it is off (see Diagram 3). Position I is the low fan speed and position II the normal position. We recommend that it is set to position II unless there is a particular requirement for a low fan speed where a slow output of heat is all that is required. When either position I or II is selected the associated indicator lamp on the top of the heater will glow when the fan is operating. This is to provide a visual indication that the fan is running.

**IMPORTANT:** To achieve proper use of your heater it is important that position I or position II is selected so that heat can be extracted from the storage core as required. Once in an "on" position the use of the fan is controlled by the Room Temperature Thermostat (please see below).



## Convector Switch

This is also a three position rocker switch situated on the right hand side of the heater near the top. It controls the separate convector which is built into the heater. In the centre position it is off (see Diagram 3). For normal use we recommend that it is set to the Auto position. In this position the convector is automatically controlled so that it will only come on (subject to the Room Temperature Thermostat calling for heat) if the heat being extracted from the core falls below a pre-set level. In this way the heater automatically utilises the heat stored using cheaper rate electricity first and this can provide a valuable saving in running costs.

If the MAN (manual) position is selected the convector is available for use at any time regardless of how much heat is still stored in the core. This enables maximum output from the heater to provide rapid heating. The use of the convector in either of the MANUAL or AUTO positions is always controlled by the Room Temperature Thermostat (please see below). When either position Man or Auto is selected the associated indicator lamp on the top of the heater will glow when the convector elements are energised. This is to provide a visual indication that the convector is operating.

## Room Temperature Thermostat

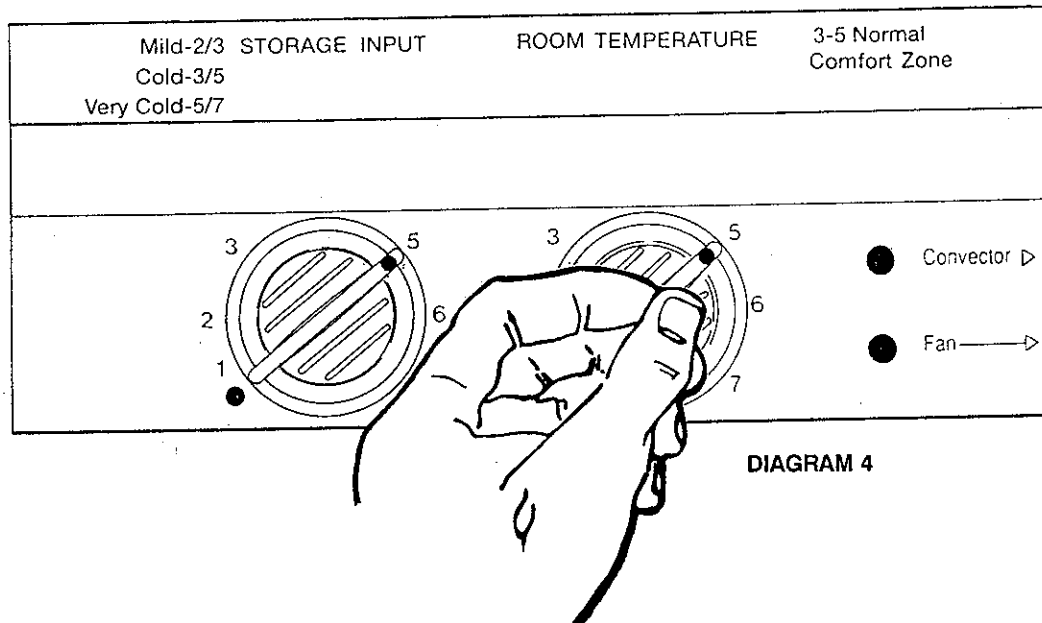
This control knob is situated at the top of the heater. It is the right hand of the two knobs positioned there. Once the three other controls described above have been set this is the only control that will need to be adjusted on a regular basis. You use it just like any other room temperature thermostat - when you want more heat turn it up and when you want less turn it down. The numbers around the control knob (see Diagram 4) represents increments of approximately 5°C measured at the sensor which is situated at the base of the product e.g. 1 represents approximately 5°C, 2 represents approximately 10°C etc. The Normal Comfort Zone will therefore usually be between setting 3 (15°C) and 5 (25°C) depending on how warm you like the room, how far away from the heater you are and how well insulated the room is. We recommend that you adjust this knob till you find your own personal comfort level and you can then leave it and the heater will automatically maintain this temperature level for you. **Truly set and forget comfort.**

If you are going to be out for a long periods and you therefore require background heating only, to keep the chill off the room, we recommend that you select a lower number on the thermostat. When you return it is only necessary to turn up the room temperature thermostat control knob and extra heat will be given out to bring the room temperature up to full comfort level. This is particularly advantageous, for instance, for people who are out at work or away on a winter holiday.

### Minimum background heat and frost protection.

There may be occasions when you require the minimum level of heat to provide frost protection - for example when you are away on holiday. By setting the Room Temperature Thermostat to its lowest setting (position 1), the heater is able to maintain a temperature of approximately 5°C. To ensure that the heater is able to maintain a sufficient level of heat throughout the 24 hour period, the fan switch must be in position I or II, and we recommend that the convector switch is in the 'auto' position.

**NOTE:** We recommend the storage input control is set at position 6 to 7.



## Setting The User Controls - Summary

### 1. Set The Storage Input Control Knob

This needs to be adjusted dependent on how cold the weather is. It is important that this is set to a high enough number to ensure that sufficient cheap rate off-peak electricity is stored in the heater to meet your needs. Unless it is very mild this should be set to at least position 4.

### 2. Set The Core Extract Fan Switch

In normal circumstances this should be set to **position II**.

### 3. Set The Convector Switch

In normal circumstances this should be left at the **auto position**. Switch to manual only if rapid warm up is required.

### 4. Set The Room Temperature Thermostat

Adjust this control to suit your temperature requirements. As long as the three other switches have been set as recommended 24 hours a day controllable and economical warmth will be available as required.

## Optional Timer

If you require to time when your FCX heater gives out heat this can be done very simply as there is provision in the circuitry for wiring an external timer to the FCX range. Alternatively the unrestricted supply to the convector/fan circuit can be controlled by a plug-in type timer rated at 13 amps if the supply cable is already connected to a socket outlet. We recommend you discuss these options with your installer/electrician.

## Off Peak Detection Device

This is an internal device that will be set by your installer/electrician when the product is being installed. It enables the installer to select a choice of two settings in order to ensure that the product is set in the mode most advantageous to the tariff on which it is to be used. (The different Regional Electricity Companies across the country now have a number of different tariffs available which are very advantageous for electric heating). Please discuss this with your installer/electrician.

It is important that you know which position has been selected on the internal device for in position 1 it will hold the core extract fan off during cheap rate charge periods. You will therefore notice that the fan does not work during these times. This position is very advantageous where the Regional Electricity Company allows the convector to operate at the same cheap rate as the off peak supply for it ensures that the storage core is being recharged while at the same time any heat demand is met by the convector. Economy 7 is an example of a tariff where the internal selection switch should be set to position 1.

In position 2 both the fan and convector are available during charge periods. This position may be more suitable on some of the new tariffs available, dependent on the price of electricity to the convector circuit during off peak periods.

If you require further information about the setting of this device or your heating tariff we recommend you contact your installing electrician / local Electricity company.

**Adjustment Of This Device Should Only Be Carried Out By A Competent Electrician In Accordance With The Manufacturers Instructions.**

For maximum economy in use, once the off peak detection device has been set to take best advantage of your heating tariff, you should ensure that the controls are set as described above.

**PLEASE NOTE:** We recommend that you ask your installer/electrician to tick one of the two boxes below to indicate in which position he has set the internal switch.

**Position 1**

**Position 2**

**Installers Name :**

**Address :**

**Tel No:**

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**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.**

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**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.

Should you require after sales service, please get in touch with the supplier through whom you purchase the appliance, or your nearest Dimplex Service Agent.

Please do not initially return a faulty appliance or part of an appliance to us as this may result in transit damage and/or delay in providing service. Let us know your difficulty quoting the model number and series letter of the appliance. We will then take the appropriate action.

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