

ELEX ET7



ELEX ET7 SERIES CONVECTIVE PANEL HEATER

USER MANUAL

Models:

ELEX ET7 2400

ELEX ET7 2000

ELEX ET7 1500

ELEX ET7 1000



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CONVECTIVE PANEL HEATERS



I. Important Safety Instructions

- **Prior to installing and operating the heater, read these instructions carefully and retain for future reference.**
- Indoor use only.
- Ensure the rated voltage is **230-240V**.
- Do not install the heater directly below a socket.
- Always operate heater in an upright position with the control panel at the top. If using castor wheel set, heater should be positioned on a flat horizontal surface.
- Arrange cord away from traffic areas so that it will not be tripped over.
- Do not place the cable under carpets /rugs.
- Do not remove plug from power socket by pulling the supply cord. Always grip plug.
- Do not operate this appliance if the cable or plug becomes damaged.
- In case of heater fault or damaged supply lead, the appliance should be returned to the distributor / manufacturer for repair.
- Ensure the appliance is switched OFF before connecting to the mains power supply.
- Do not cover or restrict airflow to the inlet or outlet grills in any manner, as the appliance may overheat and become a fire risk.
- Do not insert or allow foreign objects or metal utensils to enter any grill opening, as this may cause an electric shock or fire damage to the appliance.
- Do not operate in areas where gasoline, paint or other flammable liquids are used or stored.
- Switch off the power supply and unplug from the mains socket when not in use, before cleaning or changing accessories.
- To prevent overload and blown fuses, do not plug other appliance into same power outlet (receptacle).
- Do not immerse in liquid or allow liquid into the interior of the appliance, as this could create an electric shock hazard.
- Do not reach for an appliance that has fallen into water. Switch off at supply and unplug immediately.
- Do not operate appliance with wet hands. Always ensure that hands are dry before operating or adjusting any switch on the product or touching the plug and mains supply connections.
- Never leave the appliance unattended when connected to the mains power supply.
- Do not cover. NEVER use the heater to dry clothes or similar articles.
- Do not position the appliances close to curtains or other combustible materials. Keep combustible material such as furniture, cushions, bedding, paper, clothes, curtains etc. at least 1.0m away from the heater.
- The most common cause of overheating is deposits of dust or fluff in the appliance. Ensure these deposits are removed regularly by unplugging the appliance and vacuum cleaning air vents and grilles.
- This appliance heats up when in use. To avoid burns, do not let bare skin touch hot surface. Switch off and let cool down before moving. Store the heater in cool, dry location when not in use.
- Do not use this appliance with an external programmer, timer or any other devices that switches the appliances on automatically.
- Do not use an extension cable with this appliance.
- Do not use the appliance in rooms less than 4m² area.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

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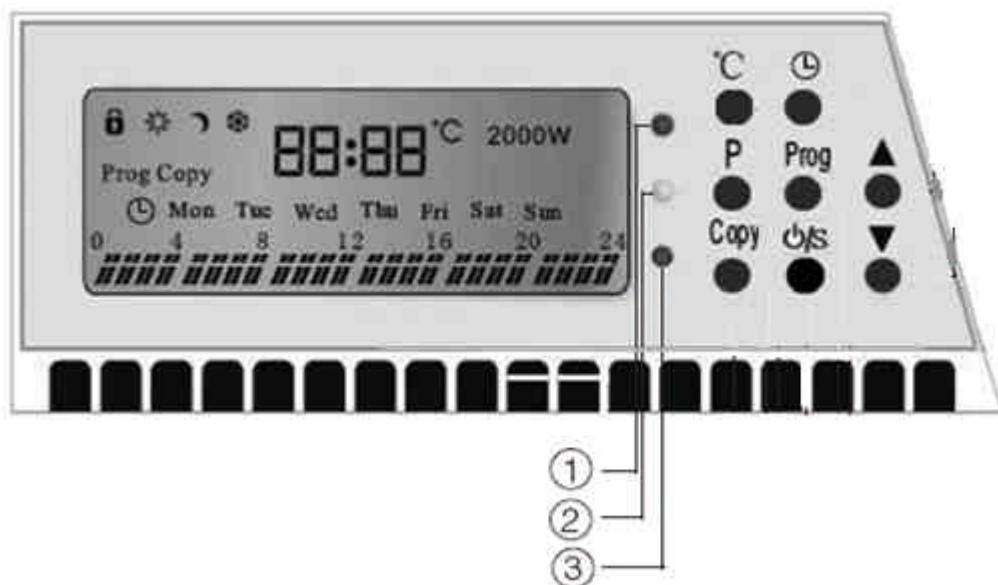


2. Specification Data

Model	ELEX ET7 1000	ELEX ET7 1500	ELEX ET7 2000	ELEX ET7 2400
Power (W)	1000W	1500W	2000W	2400W
Voltage (V)	240V~50Hz	240V~50Hz	240V~50Hz	240V~50Hz
Dimension (mm)	540 x 400 x 80	640 x 400 x 80	940 x 400 x 80	1000 x 400 x 80

3. Operating Instructions

The control panel features an accurate electronic thermostat and 7 day programmable timer with 12 preset and one self-set weekly operation programme.



3.1 Control Panel Guide

- ① Comfort Heating Light, in Program ON period (red):
Indicates the heater is set to the constant comfort temperature (Programme CC – default 22°C)
- ② Operations Light (yellow):
Glow when heating element is working towards a set temperature
- ③ Economy Light, in Program OFF period (green):
Indicates the heater is set to the constant economy temperature (Programme CE – default 17°C)

- Temperature Button
- Programme Selection Button
- Timer Button
- Programming Button
- ON / OFF Button
- Up Button
- Down Button
- Indicates child lock function is activated
- Indicates Program ON period or CC mode
- Indicates Program OFF period or CE mode
- Indicates the frost protection function is activated



3.2 Switching on the Unit

Plug in the power cord and turn the wall power switch ON. The heater will beep and the LCD screen will display 00:00.

Press the ON / OFF button on the control panel. The heater will beep and the LCD screen will display the current ambient temperature sensed in the room, and the default day setting of MON (Monday).

Note: There is currently no programme selected for the heater. The heater will not start working until a heating programme is selected. The clock must be programmed to the current day and time before a heating programme can be selected.

3.3 Programming the Clock

The clock must be set to the current day and time in order to use a heating programme.

3.3.1 Day Setting

Press the timer button. The day 'MON' will flash. Use the up and down buttons to select the correct day.

MON	Monday
TUE	Tuesday
WED	Wednesday
THU	Thursday
FRI	Friday
SAT	Saturday
SUN	Sunday

Note: After pressing the timer button, you have 5 seconds to use the up or down buttons to select the correct day. If you do not select a day, the screen will revert back to the default, displaying the current ambient temperature sensed in the room, and the default day setting of MON (Monday).

3.3.2 Hour Setting

Press the timer button a second time. The hour number will flash. Use the up or down buttons to set the correct hour. This is a 24 hour clock and hour should be programmed as follows:

1am = 1:00	7am = 7:00	1pm = 13:00	7pm = 19:00
2am = 2:00	8am = 8:00	2pm = 14:00	8pm = 20:00
3am = 3:00	9am = 9:00	3pm = 15:00	9pm = 21:00
4am = 4:00	10am = 10:00	4pm = 16:00	10pm = 22:00
5am = 5:00	11am = 11:00	5pm = 17:00	11pm = 23:00
6am = 6:00	12am = 12:00	6pm = 18:00	12pm = 00:00

Note: If 5 seconds has passed since the correct day was set, the screen will revert back to the default, and pressing the timer button will take you to the 'Day Setting' function. To get to the 'Hour Setting' screen, press the timer button twice.

Note: After pressing the timer button, you have 5 seconds to use the up or down buttons to select the correct hour. If you do not select an hour, the screen will revert back to the default screen, displaying the current ambient temperature sensed in the room, and your selected day setting.

3.3.3 Minute Setting

Press the timer button a third time. The minute number will flash. Use the up or down buttons to set the correct minute.

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Once the correct minute has been selected, wait for the minute to stop flashing and return to the default screen, displaying the current ambient temperature sensed in the room, and your selected day setting.

Note: If 5 seconds has passed since the correct hour was set, the screen will revert back to the default, and pressing the timer button will take you to the 'Day Setting' function. To get to the 'Minute Setting' screen, press the timer button three times.

Note: After pressing the timer button, you have 5 seconds to use the up or down buttons to select the correct minute. If you do not select a minute, the screen will revert back to the default screen, displaying the current ambient temperature sensed in the room, and your selected day setting.

3.4 Selecting a Preset Heating Programme

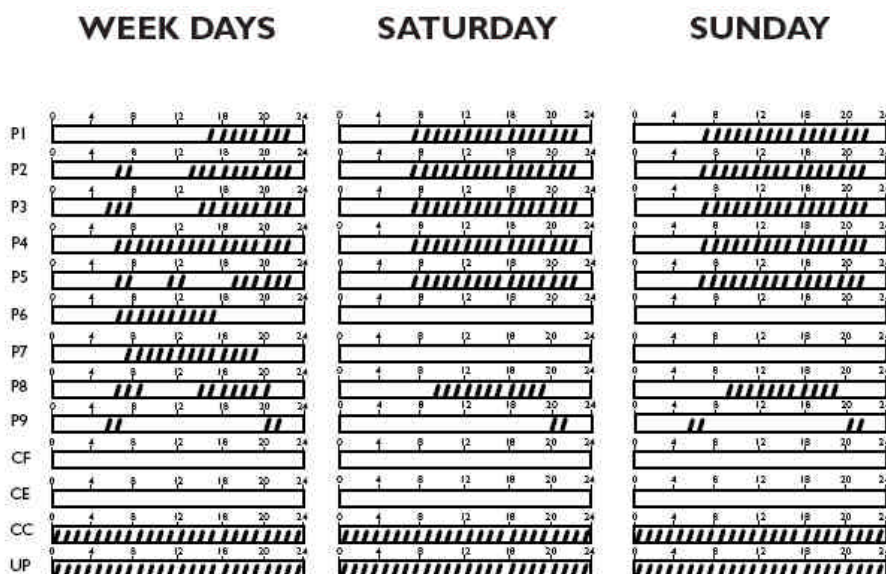
Once the clock has been programmed with the correct time, a heating programme can be selected.

Note: The basic 'quick start' programme for the ELEX ET7 model is programme **CC**, the constant heating operation.

3.4.1 Description of Programmes

The ELEX ET7 series heater offers 12 preset and one self-set weekly operation heating programme.

(= ON, = OFF)



Program P1: 3pm-11pm weekdays, 7am-12pm Saturday and 7am-11pm Sunday

Program P2: 6am-8am, 1pm-11pm weekdays, 7am-12pm Saturday and 7am-11pm Sunday

Program P3: 5am-8am, 2pm-11pm weekdays, 7am-12pm Saturday and 7am-11pm Sunday

Program P4: 6am-11pm weekdays, 7am-12pm Saturday and 7am-11pm Sunday

Program P5: 6am-8am, 11am-1pm, 5pm-11pm weekdays, 7am-12pm Saturday and 7am-11pm Sunday

Program P6: 6am-4pm weekdays

Program P7: 7am-8pm weekdays

Program P8: 6am-9am, 2pm-9pm weekdays, 9am-8pm Saturday and Sunday

Program P9: 5am-7am, 9pm-11pm weekdays, 9pm-11pm Saturday and 5am-7am, 9pm-11pm Sunday



Program CF: Constant frost protection + 7°C

Program CE: Constant economy temperature

Program CC: Constant comfort temperature (basic 'quick start' programme)



Program UP: Program for the week set by the user

3.4.2 Selecting a Preset Heating Programme (PI-P9)

To select a heating programme, press the programme selection button **P**. Use the  up or  down buttons to select the appropriate programme (**PI-P9**). Wait for the display to stop flashing and the selected programme will begin.

The red comfort heating light will illuminate, indicating that the heater is set to the comfort temperature default of 22°C within your chosen programme. During programmed “**ON**” times, if the ambient temperature is below default 22°C, the yellow operations light will illuminate and the heater will start producing heat.



During programmed “**OFF**” times, if the ambient temperature is below default 17°C, the yellow operations light will illuminate and the heater will start producing heat. Refer section 3.6 for how to adjust these settings.

Note regarding the display screen: The  icon indicates the heater is heating towards the selected temperature, and when  icon turns OFF, this indicates the selected temperature has been reached.

Upon first use, the heater may give off some fumes (this is normal).



Ensure that the room is ventilated (for example, open a window).

3.4.3 Selecting the Constant Heating Operation (basic ‘quick start’ programme)

To select the constant heating operation programme, press the programme selection button **P**. Use the  up or  down buttons to select the **CC** programme. Wait for the display to stop flashing and the constant heating operation will begin.

The red comfort heating light will illuminate, indicating that the heater is set to the comfort temperature default of 22°C. If the ambient temperature is below this default 22°C, the yellow operations light will illuminate and the heater will start producing heat.



3.4.4 Selecting the Constant Economy Heating Operation

To select the constant economy heating operation programme, press the programme selection button **P**. Use the  up or  down buttons to select the **CE** programme. Wait for the display to stop flashing and the constant economy heating operation will begin.

The green economy heating light will illuminate, indicating that the heater is set to the economy temperature default of 17°C. If the ambient temperature is below this default 17°C, the yellow operations light will illuminate and the heater will start producing heat.



3.4.5 Selecting the Constant Frost Protection Operation

The constant frost protection operation may be used to protect against freezing temperatures in cold climate areas. The default frost protection temperature is 7.5°C.

To select the constant frost protection operation programme, press the programme selection button **P**. Use the  up or  down buttons to select the **CF** programme. Wait for the display to stop flashing and the constant frost protection operation will begin.

3.5 Setting the Self Set Weekly Operation

This function allows you to program for ON/OFF times 24 hours a day, 7 days per week.

To select the self set weekly programme, press the programme selection button **P**. Use the  up or  down buttons to select the **UP** programme. Wait for the display to stop flashing.



3.5.1 Selecting the Day

Press the timer button. The day 'MON' will flash. Use the up and down buttons to select the day you wish to programme.

3.5.2 Selecting Times for a Full 24 hour Day

Press the programming button.

Note: The zone for "OFF" is blank and the zone of "ON" is black.

The up button is used for setting the "ON" Zone, and the down button is used for setting the "OFF" Zone. The timer will start at 0:00, and each push of the up or down button will advance the clock by half an hour (1/2hr). Push the appropriate up or down buttons to set the desired "ON" or "OFF" time for the day. **You must programme the full 24 hour ON / OFF period (until the time reaches 0:00).** Wait for the display reverts back to the default display. The 24 hour programme for that day will be set.

Note: This function is time sensitive. If there is a time delay of more than 5 seconds between pressing the programming button, and setting the full 24 hour period using the up or down buttons, the display will revert back to the default screen showing the ambient room temperature.

Repeat the function "**Selecting the Day**" and "**Selecting Times for a Full 24 hour Day**" to set on and off times for the other days of the week.

3.5.3 Programming Example for a Full 24 hour Day

To programme the heater to work from 11:00-13:00, and from 17:00 to 23:00 on Tuesday:

Step 1: Press the timer button. The day 'MON' will flash. Use the up button to select 'TUE'

Step 2: Press the programming button.

Step 3: Press the down button until the time advances to 11:00. The time will change from 0:00 to 11:00, and the zone between 0:00 to 11:00 will be blank (OFF).

Step 4: Press the up button until the time advances to 13:00, and the zone between 11:00 to 13:00 will be black (ON).

Step 5: Press the down button until the time advances to 17:00, and the zone between 13:00 to 17:00 will be blank (OFF).

Step 6: Press the up button until the time advances to 23:00, and the zone between 17:00 to 23:00 will be black (ON).




Step 7: Press the down button until the time advances to 00:00, and the zone between 23:00 to 0:00 will be blank (OFF).




Step 8: Wait for the display to revert back to the default display. The 24 hour programme for Tuesday will be set.

Note: You must programme the full 24 hour ON / OFF period (until the time reaches 00:00) for the timer to function correctly. If you go past the 00:00 (and move to 01:00) you will need to programme the 24 hour programme for that day again.

3.6 Setting the temperature

The default temperature settings may be altered within the preset heating operations, (P1-P9), constant heating operation (CC), constant economy operation (CE), and self set weekly operation (UP).

To adjust the 'comfort / program ON period' temperature, select programme 'CC' and press the temperature button . Use the  up or  down button to set the desired temperature. Wait for the display to stop flashing. The display screen will return to display the ambient temperature of the room.




To adjust the 'comfort / program OFF period' temperature, select programme 'CE' and press the temperature button . Use the  up or  down button to set the desired temperature. Wait for the display to stop flashing. The display screen will return to display the ambient temperature of the room.

Note: Upon first use, the display will be 0°C


3.7 Adjust the Temperature of a Running Programme

The temperature sensed by the thermostat sensor is relative to the position of the heater in the room. If the actual temperature is higher than the setting, compensate this by adjusting the temperature setting.

For example, if the comfort temperature is set at 21°C but the actual room temperature is 24°C, compensate for this by lowering the setting to 18°C. Similarly, increase the temperature setting if the actual room temperature is lower than the setting.

Press the temperature button . Use the  up or  down button to set the desired temperature. Wait for the display to stop flashing. The display screen will return to display the ambient temperature of the room.

3.8 Changing time for Daylight Savings

Press the timer button  twice to make the hour display flash.

In Summer time, press the  up button to advance the timer clock one hour.


In Winter time, press the  down button to set the timer clock back one hour.



Wait for the display to stop flashing. The display screen will return to display the ambient temperature of the room.

3.9 Programme Back-Up

In the event of a mains power failure or long period when the heater has been turned off, the timer and UP programme must be reset by the user. All other pre-set programs and default temperatures will be saved.

3.10 Locking the Control Panel

Press the programme selection button  to make the chosen program flash.



Press the timer button  and Prog programming button the same time for around five (5) seconds until the display screen stops flashing and the padlock symbol  is displayed on the screen, indicating the all buttons are now locked.

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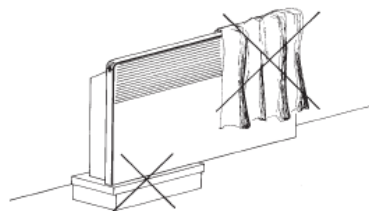
3.11 Unlocking the Control Panel

Press the programme selection button **P** to make the chosen program flash.

Press the timer button  and **Prog** programming button the same time for around five (5) seconds until the display screen stops flashing and the padlock symbol  disappears from the screen.

4. Safety Notes

The air outlet must not be obstructed. For safety reasons the upper and lower air grilles must never be covered with items such as washing nor obstructed by items in close proximity (see figure to right). Objects should not be leant against the unit nor placed between the unit and the wall.



Never leave combustible materials, such as wood, paper, textiles or flammable items such as wax, petrol, aerosol cans etc. in the vicinity of the warm air outlet. As with all similar heaters, the flow of rising air may cause discoloration of the wall.

The appliance must not be operated:

- In areas which are subject to the risk of fire or explosion due to chemicals, dust, gases or vapors;
- In the immediate vicinity of pipes or containers which carry or contain combustible or potentially explosive substances.

For this reason, the minimum clearance intervals must not be undercut.

In workshops or other areas in which the odor of waste gases, oil, petrol, etc. might occur, or in which work is carried out involving solvents and chemicals, there is a risk of sustained odor burdens being engendered, and possibly of dirt contamination occurring.

Before using any materials which produce flammable gases or vapors, e. g. laying or sealing parquet or PVC flooring, or when using spray polishes, spirits and similar materials, ensure the heater is switched off.

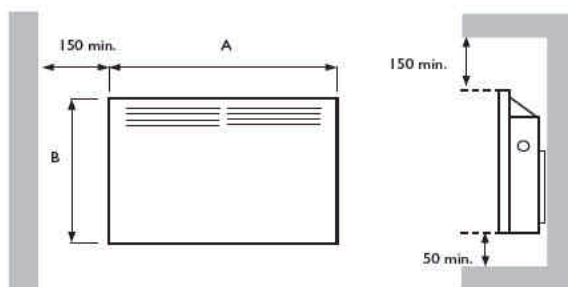
5. Maintenance

Do not use abrasive or aggressive cleansers to clean the heater. Use a vacuum cleaner regularly to clean the upper and lower air grids.

6. Installation instructions

The ELEX convective panel heaters are electric heaters designed to be mounted on the wall or freestanding using the supplied castor wheel set. These units are suitable for heating enclosed indoor rooms such as bedrooms, studies, offices, and living areas.

WALL MOUNTING CLEARANCES



Model	Watts	Dimension 'A' (mm)	Dimension 'B' (mm)
ELEX 1000 ET7	1000	540	400
ELEX 1500 ET7	1500	640	400
ELEX 2000 ET7	2000	940	400
ELEX 2400 ET7	2400	1000	400

ATTENTION!

The installation, electrical connection and first operation of this appliance should be carried out by a qualified installer. The company does not accept liability for failure of any goods supplied which have not been installed and operated in accordance with the manufacturer's instructions.

These installation instructions belong with the heater and must be handed on to the purchaser if the heater is sold.

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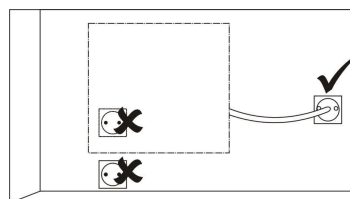
6.1 Installation Location

The ELEX convective panel heater was designed to be installed in a residence. Please ask your distributor before using it for any other purpose.

The ELEX convective panel heater should be installed according to normal trade practice and in compliance with legislation in relevant country.

If the wall covering is laid on foam, a spacer the same thickness as the foam must be placed under the panel heater's support. This ensures there is free space behind the panel heater to make sure its control settings are not adversely affected.

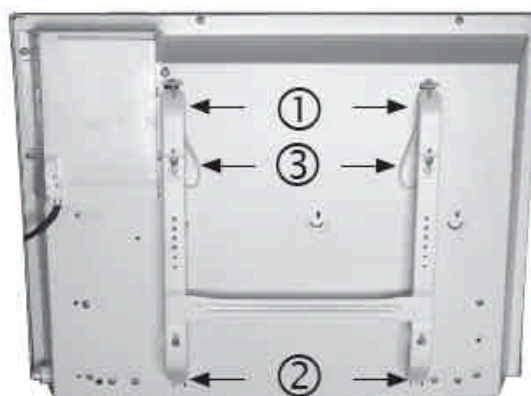
The ELEX convective panel heater must not be installed immediately below a wall socket. The heater must be connected to a socket outlet or permanent terminal box at least 10cm to one side of the heater.



The ELEX convective panel heater must not be installed in a draught likely to affect the control settings (under a ventilating fan, etc.)

6.2 Wall Mounting Bracket

Remove two screws ① from the top of the bracket. Unclip bracket ② from heater and release two plastic connection bands ③ from the bracket. Remove the bracket from the heater.



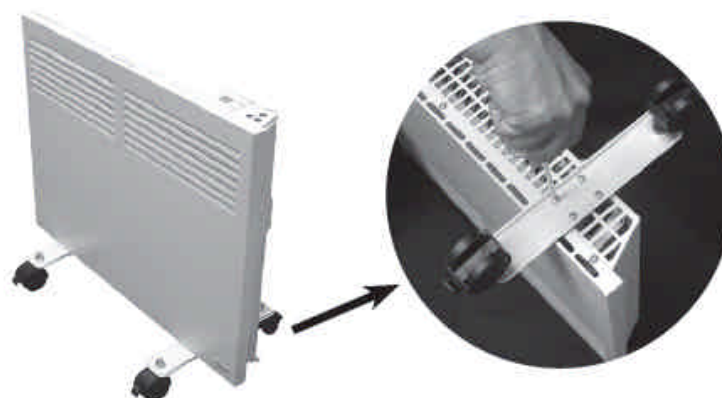
Fix the bracket on the wall, ensuring the fastening method will safely support the heater. (NOTE: BOTTOM OF HEATER MUST BE AT LEAST 50MM FROM FLOOR)

To fix the heater on the bracket: connect two plastic connection bands ③, insert the bottom end of bracket ② to the heater and push the heater into the top end of bracket; and lock the top end of the bracket using 2 screws provided ①.

NOTE: Please make sure the heater is unplugged during installation. Do not use the same socket with other high power electrical appliances. Ensure appliance is NOT located immediately below a socket outlet.

6.3 Castor Wheel Set

Attach the 2 castor wheel sets to the bottom of the heater using the screws provided.



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CONVECTIVE PANEL HEATERS

6.4 Electrical Connection

This heater is suitable for 230-240V.

Please observe national standards, the regulations of your local electricity supply company as well as data on the rating label.

Note the details on the rating plate!

The voltage supply must match the requirements on the rating plate. The supply cable must be correctly sized. The heater must be connected to a socket outlet or permanent terminal box at least 10 cm to one side of the heater.

To avoid hazards, if the power cord of the appliance exhibits visible damage it must be replaced by the manufacturer or its service agent or a qualified electrician.

6.5 Safety Notes

The ELEX convective panel heater is equipped with a safety cut-out that switches the heater off if it overheats.

Once the heater has switched off due to overheating, remove the cause of the fault, e. g. blocked air grids. When the heater has cooled down for several minutes it will restart automatically. If the heater then cuts off again, switch off the heater and call an authorized serviceman.

7. Warranty

ELEX ET7 heaters have a five (5) YEAR FULL REPLACEMENT WARRANTY*.

To claim for Warranty, please retain your receipt as proof of purchase and return the faulty heater to the place you purchased it.

Warranty does not apply to heaters which have been misused or used in conditions other than those for which they were intended for. Nor will it apply in the event of damage or accident resulting from negligence, lack of care or maintenance, or if the heater has been modified in any way.

Thermofilm Australia Pty Ltd reserve the right to reject any Warranty claim deemed to be false.

Retailers must have Warranty claims authorised by Thermofilm Australia. Ph 03 9562 3455

* Conditions apply. Please refer the Thermofilm standard terms of sale and warranty for details.