

## ELEX euro CONVECTIVE PANEL HEATER

Rev C JUL13

### USER MANUAL

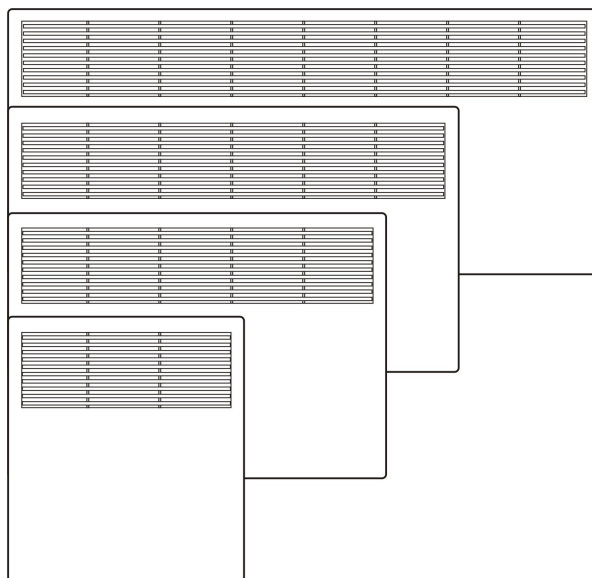
#### Models:

**ELEX euro 2400**

**ELEX euro 2000**

**ELEX euro 1500**

**ELEX euro 1000**



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CONVECTIVE PANEL HEATERS



### I. Important Safety Instructions

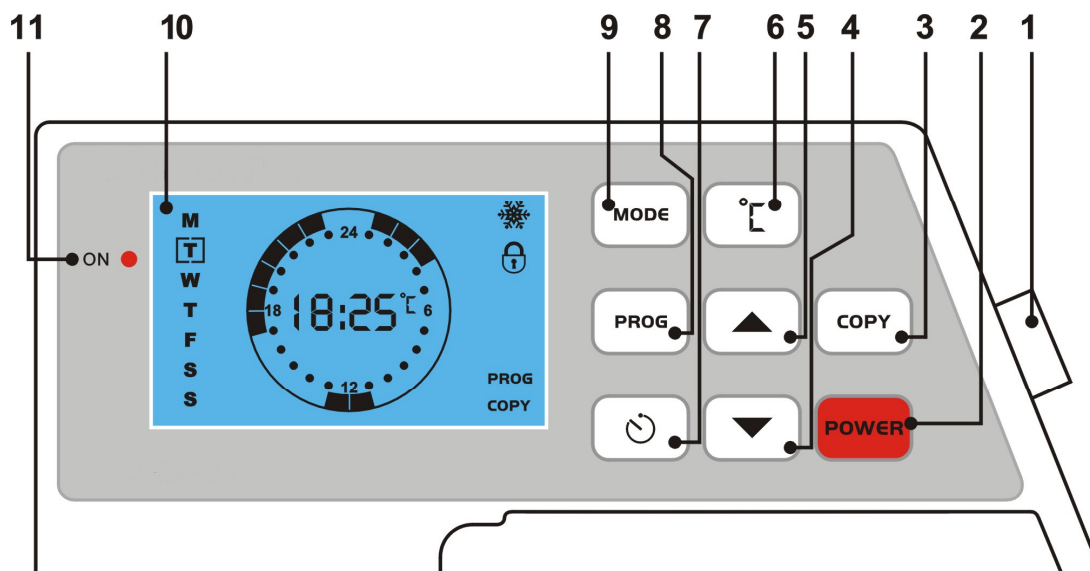
- **Prior to installing and operating the heater, read these instructions carefully and retain for future reference.**
- Indoor use only.
- Ensure the rated voltage is **230-240V**.
- Do not install the heater directly below a socket.
- Always operate heater in an upright position with the control panel 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 a 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 4m<sup>2</sup> 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.
- Children should be supervised to ensure that they do not play with the appliance.
- If used as a portable heater, do not use in the immediate surroundings of a bath, a shower or a swimming pool.

## 2. Specification Data

| Model          | ELEX euro 1000  | ELEX euro 1500  | ELEX euro 2000  | ELEX euro 2400   |
|----------------|-----------------|-----------------|-----------------|------------------|
| Power (W)      | 1000W           | 1500W           | 2000W           | 2400W            |
| Voltage (V)    | 240V~50Hz       | 240V~50Hz       | 240V~50Hz       | 240V~50Hz        |
| Dimension (mm) | 420 x 440 x 105 | 580 x 440 x 105 | 740 x 440 x 105 | 1000 x 440 x 105 |

## 3. Operating Instructions

The control panel features an accurate electronic thermostat and 7 day programmable timer. This timer has a constant heating operation, constant frost protection operation and a self-set weekly operation programme.



### 3.1 Control Panel Guide

- 1 - Main Power Switch (I/ 0 – ON / OFF)
- 2 - Unit Power button (ON / OFF)
- 3 - Copy button
- 4 - Down button
- 5 - Up button
- 6 - Temperature button
- 7 - Timer button
- 8 - Programming button
- 9 - Mode Selection button
- 10 - LCD screen
- 11 - Power On light

### 3.2 Switching on the Unit

Press the main power switch (1) on the right hand side of panel. Press the **POWER** button (2) on the control panel. This turns the unit ON, and the LCD screen (10) will illuminate, displaying “[M]” (Monday) and 12:00 as the default day and time setting.

Constant Heating Operation at 21°C is the default operation setting.

Note: The red “ON” indicator light (11) illuminates when the heating element is operating.

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




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

## 3.3 Programming the Timer

The timer must be set in order to use the Self-Set Weekly Operation Programme.

### 3.3.1 Programming the Clock




#### Day Setting

Press timer button.  The “[ ]” symbol will flash around **M** (Monday). Use the up  and down  buttons to move the “[ ]” symbol to the correct day.




|   |           |
|---|-----------|
| M | Monday    |
| T | Tuesday   |
| W | Wednesday |
| T | Thursday  |
| F | Friday    |
| S | Saturday  |
| S | Sunday    |

Note: The “[ ]” will flash when used for the first time, or after a lengthy absence of power, and the red “ON” light will glow.

#### Hour Setting

Press timer button.  The hour number will flash. Use the up  and down  buttons to set the correct hour.




#### Minute Setting

Press the timer button.  The minute number will flash. Use the up  and down  buttons to set the correct minute.

Press the timer button  again to complete the timer setting.

The control panel will show the current time and the unit will operate under the default programme of “CO” (Constant Heating Operation).

### 3.3.2 Setting the temperature


Press the temperature setting button . The centre of the digital clock face will flash with the heating operation and temperature setting (e.g. “CO 21”). Use the up  and down  buttons to set the required temperature. Note: The default temperature is 21 °C.

Press the temperature button  again to complete the temperature setting.

### 3.3.3 Selecting the Constant Heating Operation

The constant heating operation is the default setting of the heater, and this will run when the heater is used for the first time, or after a lengthy absence of power. The temperature setting may be altered as per section 3.3.2.

To select this setting, press the mode button . Use the up  and down  buttons to select the **CO** programme. The temperature setting may be altered as per section 3.3.3.

Press the mode button  again to terminate the setting. The mode symbol will stop flashing. The mode is now active and will run in “real time”.

### 3.3.4 Selecting the Constant Frost Protection Operation

To protect against freezing temperatures in cold climate areas you can programme the heater for frost protection by reducing the set temperature to 5°C while the heater is in “CO” mode.

When the temperature is set to 5°C the symbol will display on the screen and the heater will operate when the room temperature falls below 5°C.

### 3.3.5 Setting the Self Set Weekly Operation

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

Press the mode button . The mode symbol **will flash**.

Use the up or down button to select the programme mode of **SS**.

Press the mode button again to complete the setting. The mode symbol **SS** will stop flashing.

#### Selecting the Day

Press the programme button . The symbol “[ ]” will appear around the current day e.g. **M** (Monday). The time will show (00:00, midnight), and the symbol **PROG** are displayed.

If you want the programme to start another weekday, for example the Tuesday, press the timer button consecutively, until the symbol “[ ]” surrounds **T** (Tuesday) on the screen.

#### Selecting Times for a Full 24 hour Day

Note: The zone for “OFF” is blank and the zone of “ON” is black on the digital clock face diagram.

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 00:00, and each push of the up or down button will advance the clock by one hour. Push the appropriate or button 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 00:00) for the timer to function correctly.

Press the programme button to complete the setting for the day.

*For example, you would like to make the unit work from 1:00 to 4:00, 11:00-13:00, and from 17:00 to 23:00.*





**Step 1:** Press the button . The time will change from 00:00 to 1:00, and the zone between 24:00 to 1:00 will be blank (OFF).


**Step 2:** Press the button until the time advances to 4:00, and the zone between 1:00 and 4:00 be black (ON).


**Step 3:** Press the button until the time advances to 11:00, and the zone between 4:00 to 11:00 be blank (OFF).

**Step 4:** Press the 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 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 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 button  until the time advances to 00:00, and the zone between 23:00 to 24:00 will be blank (OFF).



**Step 8:** Press the programme button  to complete the setting for the day. The control panel will now show the correct day. The programme is now active and is running on 'real time'.

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.


### Copy the 24-hour program

If you would like the same 24-hour program to work for another day or days in the week, the programme can be copied onto the selected day.

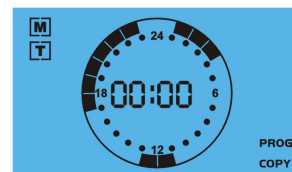
**For example, you have just created a 24 hour programme for Monday, and you wish to copy this Monday programme to Tuesday.**


**Step 1:** Press the programme button  and then press the  button to move the "[ ]" to **M** (Monday).

**Step 2:** Press the copy button.  The symbol "**COPY**" will appear on the LCD screen. The "[ ]" around the **M** will flash.


(If you would like to cancel the **COPY** order, please press the button  again, the symbol "**COPY**" will disappear accordingly.)

**Step 3:** Press the timer button  to move the "[ ]" around **T** (Tuesday). The "[ ]" will appear around the **M** and **T**.



**Step 4:** Press the copy button  to complete the operation. The "**COPY**" and [**M**] symbol will disappear.

To copy this same Monday programme to another day, repeat from Step 3.

Press the button  to terminate the "**COPY**" function. The control panel will now show the correct day. The programme is now active and is running on 'real time'.


### 3.3.6 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 . The temperature symbol will flash.

Use the button up  or down  button to adjust the comfort temperature.


Terminate by pressing the temperature button  again. The control panel will now show the correct day. The programme is now active and is running on 'real time'.

### 3.3.7 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.




Terminate the operation by again pressing the timer button  twice so that the current program is displayed on the panel.



### 3.3.8 Programme Back-Up

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

### 3.3.9 Locking the Control Panel

Press the mode button  to make the chosen program ("SS" or "CO") flash.

Press the programme button  and the timer button  at the same time for around three (3) seconds. A padlock symbol  is displayed on the screen, indicating the all buttons are now locked.

To unlock the control panel, press the programme button  and the timer button  at the same time for around three (3) seconds, and the padlock symbol will disappear.

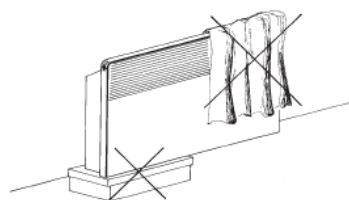
### 3.4 Safety Notes

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.

### 3.5 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.

### 4. Installation instructions

The ELEX euro 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, living areas and bathrooms.

#### 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.**

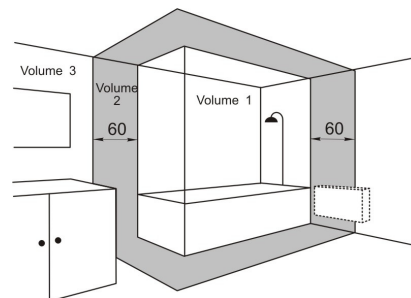
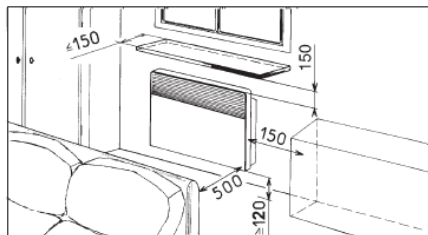
These installation instructions belong with the heater and must be handed on to the purchaser if the heater is sold.

#### 4.1 Installation Location

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

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

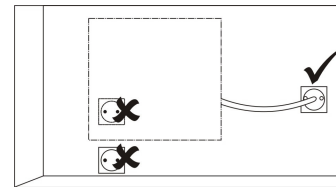
The panel convector is **CLASS I** and is protected against splashed water (IP24). Therefore it can be installed outside the shaded area shown in the bathroom area



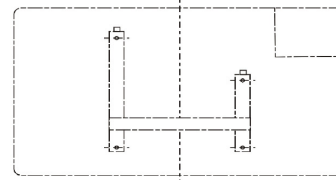
**Ensure the safety zones (mm) in diagram (left hand side) are kept free.**

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 euro 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. If the heater is installed in the Bathroom or in humid area, the socket outlet or permanent terminal box must conform to the IP24 requirement.



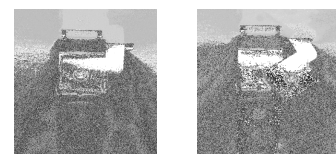
The ELEX euro convective panel heater must not be installed in a draught likely to affect the control settings (under a ventilating fan, etc.)



### 4.2 Wall Mounting Bracket

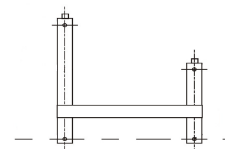
The wall mounting bracket is oriented centrally (See RHS diagram).

**Step 1:** Loosen the locking plate screw and rotate the locking plate out of the fixing slot (See RHS images).

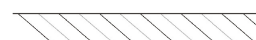


Then remove the mounting bracket from the heater.

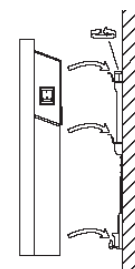
**Step 2:** Use the wall-mounting bracket as a template for marking the fixing holes. Position the mounting bracket in the correct position on the wall and mark the screw-holes through the 4 mounting holes (See RHS diagram).



**Step 3:** Install the 4 fixing devices in the wall, ensuring they are more than adequate to safely fix the heater to the wall. (ST4 expansion screws are suggested).



**Step 4:** Fix the bracket firmly to the wall using all 4 mounting locations.

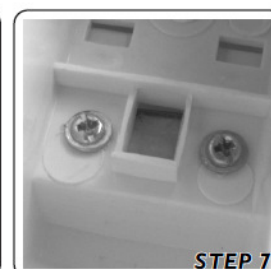
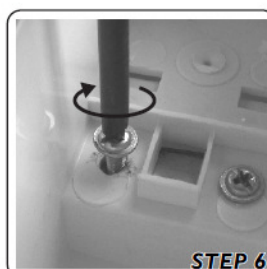
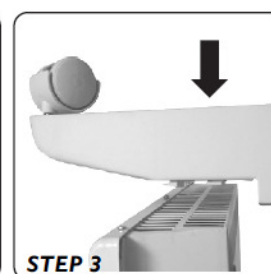


**Step 5:** Mount the heater on the bracket so the bracket protrusions fix into the 4 slots on the back of the heater. (See RHS diagram). Rotate the locking plate into the fixing slot and tighten the screw

To remove the heater, reverse the above operation.

### 4.3 Castor Wheel Set

#### Part list



## 4.4 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.

### Electrical safety!

The ELEX euro convective panel heaters are IP24 protected against splashing water. In humid areas such as bathrooms, the power socket must be installed at least 25cm above floor level.

### 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.

### Please note in general:

Where the ELEX euro convective panel heater is fitted in a room with a bath or shower, ensure the safety zone defined in IEE Regulations is applied in accordance with the details on the rating plate.

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

## 4.5 Safety Notes

The ELEX euro 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.

## 5. Warranty

The below Warranty Terms and Conditions apply for **New Zealand and Australia only**. For international warranty please refer to international warranty terms and conditions.

Thermofilm warrants to the original owner that ELEX euro products will be free from defects in materials and workmanship for a period of 24 months for residential use from the date of purchase in accordance with the following warranty terms and conditions. For commercial use warranty is 12 months.

Provision of this warranty is subject to:

- The ELEX euro product must be installed in accordance with the Installation Instructions and relevant electrical standards and codes.
- The ELEX euro product must be maintained and cleaned according to instructions detailed in the Installation Manual.
- There is no warranty expressed or implied with regard to capacity requirements. The selection of the unit or units depends entirely upon the system design and capacities as determined by the purchaser.
- The customer has not repaired, opened or altered the product in any unauthorised manner.
- This warranty excludes damage to the product or components arising from circumstances outside the control of Thermofilm, including, but not limited to, where the product is not used for intended purpose; where the product has been rectified in any way; incorrect installation; incorrect power supply; damaged caused during delivery; misapplication, misuse, abuse, vandalism, lack of maintenance



or accident.

- Thermofilm's obligations under this warranty are limited to repair or replacement at Thermofilm's factory of any components of the product which Thermofilm identifies to its satisfaction to be defective.
- Transportation charges involved in return of the product to the Thermofilm factory (or any other location authorised in writing by Thermofilm) is the sole responsibility of the customer.
- All products are inspected and tested before despatch and are at the risk of the purchaser after the shipment from the Thermofilm factory, if not delivered by Thermofilm to destination.
- Discolouration of the surface may occur after a period of time, this does not constitute a warrantable event.
- No products or components will be supplied in advance of an examination of the faulty product or components by Thermofilm or an authorized representative of Thermofilm.
- Thermofilm does not participate in any site related costs or labour expenses incidental to replacement of parts, repairing, removing, installing, servicing, transportation or handling of parts to complete products, and assumes no liability on parts repaired or replaced without written authorisation. Thermofilm shall not be liable for any default or delay in performance of its warranty obligations caused by any circumstances beyond its control, including, but not limited to, judicial or government restrictions, strikes, fires, floods, abnormal weather conditions, delayed supply of components.

Should products be determined as damaged on arrival, immediately notify the transport company of the condition and have them noted on the freight documents. If damage is discovered after unpacking, demand immediate inspection by the transportation company and insist that a record of the damage is made on the freight documentation.

The customer warrants using the product in accordance with:

- Any instructions provided to it by Thermofilm from time to time.
- All government and local regulations, including but not limited to all relevant electrical, environmental laws and regulations governing the installation, storage, use, handling and maintenance of the goods.
- All necessary and appropriate precautions and safety measures relating to the installation, storage, use, handling and maintenance of goods.

*Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.*

All warranty requests for repairs or replacements must be accompanied by a complete "Warranty Claim Form" available from Thermofilm, together with proof of purchase (and where possible, photos of the installation) and the heater returned to the place of purchase.

In the event of a warranty claim, the goods need to be returned to the distributor/retailer for repair/replacement. Contact  
 Thermofilm Australia Pty Ltd  
 27 Rosalie Street, Springvale, Victoria 3171,  
 Australia Telephone: (03) 9562 3455,  
 Email: [info@thermofilm.com.au](mailto:info@thermofilm.com.au)