

## **THE TESY HEAT MACHINE OIL FILLED RADIATOR** **USERS INSTRUCTIONS**

**Thank you for purchasing this Tesy heating appliance. These instructions provide you with the correct information for the safe and efficient operation of this appliance. Please read these instructions carefully before using and keep them for future reference.**

**Failure to adhere to these instructions may cause damage to the appliance, property or persons.**

### **CONTENTS:-**

Main radiator assembly  
2 x wheel brackets  
4 x fixing bolts  
4 x wheels

### **Electrical Information**

Voltage 230-240 Volts AC  
Frequency 50 Hz

### **IMPORTANT**

- Before using the appliance, check the voltage of the mains power supply corresponds to the voltage specified on the label of the appliance.
- The appliance is fitted with a 13 amp fused plug.
- This product meets the requirements of European directive 89/336 concerning electromagnetic compatibility.

### **General Instructions**

Remove the radiator and components from packaging and ensure all packing materials lodged between the appliance's sections are removed. Check to ensure the radiator was not damaged during transportation and that the power cable is not damaged.

### **Application of the wheel brackets and wheels (Figure 1.)**

Take the wheel brackets and wheels out of the packaging. Turn the radiator upside down over a carpet or a soft surface, to prevent scratching the finish. Fit the wheels on to the metal rivets on the brackets, pressing them until they click in securely, and check they can roll freely.

Fit the first bracket with the wheels to the bottom of the appliance at the front end, aligning both ribs of the bracket over the first section of the radiator (see the figure). Insert both feathers of the bracket in the rectangular openings in the metal plate, provided for this, and secure the bracket with two of the bolts provided.

Fit the second set of wheels to the other bracket as above and fit to the bottom of the appliance at the rear end, aligning both ribs of the bracket, so that they include the last but one section of the radiator. Insert both feathers of the bracket in the rectangular openings in the metal plate, provided for this, and secure the bracket with two of the bolts provided.

After ensuring the brackets and legs are secure, turn the appliance the correct way up.

### **Electrical connections**

- Prior to initial use, ensure that the electrical supply current conforms to the data on the appliances metal rating plate. Check the fuse is rated at 13amp. This appliance must be earthed.
- This appliance should not be used with other electrical appliances into multi adaptors.

### **How to use the appliance**

#### **Switching on**

Plug the appliance into the mains power.

Turn the thermostat control knob clockwise and switch on the appliance as follows:

- For LOW heat - turn on switch (1)
- For MEDIUM heat - turn on switch (11)
- For HIGH heat - turn on both switch's (1 & 11)

### **Heat Outputs**

#### **HM Models**

	HM200	HM250	HM300
LOW	600 Watts	800 Watts	1000 Watts
MEDIUM	900 Watts	1200 Watts	1500 Watts
HIGH	1500 Watts	2000 Watts	2500 Watts
Fan addition	500Watts	500 Watts	500 Watts

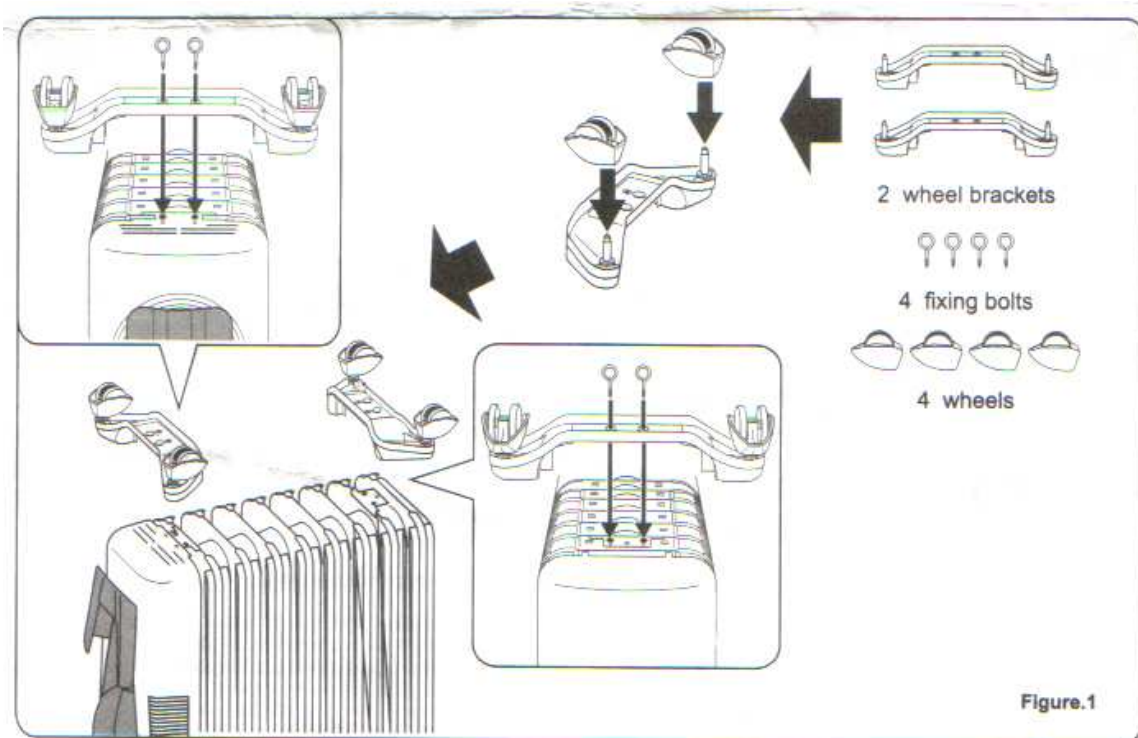
To turn the radiator off, turn off both buttons, or remove the plug from the power supply.

#### **Setting the thermostat**

The thermostat control knob must be turned to the maximum setting until the desired room temperature is reached. After reaching the desired temperature turn the control knob back, until the red indicator light switches off.

Leaving the control knob at this setting will maintain the room at approximately the desired temperature.

When the room temperature falls below the setting indicated on the thermostat, the appliance will switch on automatically, until the desired temperature is reached again. In this manner, the room's temperature shall remain constant with minimum use of energy.



**For FROST protection, or to keep the temperature of a room from falling below 0 °C, set the thermostat control knob at the minimum setting and turn the two switches (1 & 11) to the ON position.**

### **Fan Heater ("V")**

The Heat Machine is fitted with a built-in fan heater, giving an additional 500Watts heat output. It allows the desired room temperature to be reached faster by means of additional convected warm air. The fan heater can operate individually or in combination with the standard heater.

The fan heater is fitted in the lower part of the front panel, and is switched on and off by separate switches adjacent to the grille. Cold air is drawn in through the grating at the front, and the warm air is discharged through the outlet grille, situated on the lower side part of the panel. The desired room temperature is still controlled by the thermostat of the radiator in the same manner as above.

***In order for the fan heater to work safely and correctly, air must be allowed to pass freely through the inlet and outlet grilles.***

**IMPORTANT!** Should the fan heater inlet and/or outlet grilles become blocked, the thermo-protection device will turn the fan heater off. In the event of this happening, turn off the appliance and unplug from the power source. Remove the blockage, and wait for about 5 minutes before switching the appliance on again. If the fan heater still fails to work, contact a qualified electrical engineer and have the appliance checked correctly.

When using the fan heater, the Heat Machine must not be placed nearer than 60cm from any furniture or other obstruction. We recommend that if the fan heater is used to boost the temperature to the required level, once this has been reached the fan heater should be switched off and the Heat Machine allowed to operate in normal mode.

### **Electronic programmer** **Description.**

- Easy to use electronic programmer with functional buttons.
- Up to 24 ON/OFF settings per day (24 Hour) and 168 ON/OFF settings per week. Minimum period of operation is one minute.
- Real time display.
- Easy to see LCD display.
- Reverse counting (from 100 hours to 0) function.
- Random connection function.
- Astronomic time function.
- A battery backup system is installed to keep the programmers time correct when the mains power is turned off. The battery is automatically recharged when the power is switched on.

### **Function buttons.**

Each button has two main functions. When the relevant function is active, it is automatically written on the display, just over the corresponding button.

“Y” – button with two basic functions: AFFIRM (affirm) or SET UP (setting).

“N” – button with two basic functions: CHANGE MODE (changing of the mode) or EXIT (exit).

“+” or “-” – button with basic functions: SELECT (select) or ADJUST (change).

### **General layout of all the images on the display :**



### **Setting the clock time and the day of the week.**

- 1.) Press the “Y” button, until “PROG” begins to blink in the upper corner of the display.

- 2.) Press the “+” or “-“ button until “CLOCK” begins to blink.
- 3.) Press the “Y” button once for confirmation, now the hour display indicated begins to blink.
- 4.) Press the “+” or “-“ button, and set the hour (from 0 to 23 o'clock).
- 5.) The time setting is confirmed by pressing the “Y” button, the minute display will then
- 6.) begin to blink.
- 7.) Pressing “+” or “-“ buttons, and set the minutes (from 01 to 55 minutes).
- 8.) The minutes setting is confirmed by pressing “Y”.
- 9.) The day of the week indicator then begins to blink. Press the “+” or “-“ button, and set the day of the week (MO-Monday, TU-Tuesday, WE – Wednesday, TH-Thursday, FR-Friday, SA-Saturday, SU-Sunday).
- 10.) Finally press “Y” in order to confirm the settings, the appliance is now set for correct time and day.

#### **Programming the timer for controlling the device:**

- 1.) Press the “Y” button, until “PROG” begins to blink in the upper corner of the display.
- 2.) Press the “Y” button again once, “01ON” begins to blink, this allows the first time and day program to be set to turn the radiator on.
- 3.) To set the first ON period, press the “Y” button again, and the first couple of digits for the time will begin blinking; “01ON” will remain shown on display. By pressing the “+” or “-“ buttons you can select the time for the radiator to turn on.
- 4.) The time setting is confirmed by pressing “Y” button, the minute indicator will then begin to blink. Press the “+” or “-“ buttons, and set the minutes (from 01 to 55 minutes).
- 5.) The minute’s setting is confirmed by pressing “Y” button.
- 6.) The day of the week indicator will then begin to blink. Press the “+” or “-“ buttons, and select a day of the week, or a group of days.
- 7.) After you have set the first period of operation press “Y” in order to confirm the settings, the “01ON” signal will begin to blink again.
- 8.) To select the first off time. Press the “+”button, and the “01OFF” indicator will appear, you can now set the time and day for switching off, follow the same sequence as described for setting the on function as described above.
- 9.) The programmer allows you 24 settings.
- 10.) In order to save and exit the program, press the “N”button once.

**Important:** In order to delete a setting, you need only to press the “N” button continuously, when the programmer is in the setting mode.

#### **Programmer operational modes.**

Three modes are possible:

- always on – “ALWAYS ON” appears below the time, on the left

- working according to a setting, provided by the user - "PROG" will appear under the time display.
- always off - "ALWAYS OFF" will appear under the time display, on the right.
- The relevant mode can be selected by pressing the "N" button, when the real time appears on the screen of the timer.

#### **Reverse counting function:**

- 1.) Press the "Y" button, until "PROG" begins to blink in the upper corner of the display.
- 2.) Press the "+" or "-" button until "DOWN" begins to blink.
- 3.) Press "Y" in order to confirm that you wish to activate this function. Press "+" or "-", in order to set the time of reverse counting, and after that press "Y" again once, in order to set the minutes.
- 4.) Press "Y" in order to confirm. Now press "N" once, and after that the device is switched on and begins the reverse counting. When you press the "N" button once again, for the second time, the reverse counting pauses, the device is switched off, and when you press the "N" button again, the reverse counting goes on, and the device is switched on till the reverse counting is finished at 0:00, when the device is switched off.

**Important:** In order to exit the Reverse counting mode, hold the "N" button pressed continuously.

#### **Accidental switching function.**

In order to activate this function, act as follows:

- 1.) Press the "Y" button, until "PROG" begins to blink in the upper corner of the display.
- 2.) Press "+" or "-" until "RANDOM" begins to blink.
- 3.) Press "Y", and the "RANDOM" sign will stop blinking.
- 4.) Press "Y" or "N" and this mode will be activated.

Deactivating the mode:

Repeat the operations from 1 to 3 as above, then press "+" or "-", "RANDOM" will disappear from the display. Lastly press "Y" or "N".

#### **Summer astronomic time function.**

- 1.) Press the "Y" button, until "PROG" begins to blink in the upper corner of the display.
- 2.) Press "+" or "-", until "SUMMER" begins to blink. Press "Y" in order to confirm that you wish to activate this function. Pressing "+" or "-", you turn on or off the summer astronomical time; when it is on, "SUMMER" appears on the display.
- 3.) After having made your choice, press the "Y" or "N" button.

**Important:** *When you select the “SUMMER” function, one hour will be added to the clock. Your On/Off time settings will remain unchanged.*

**Initial establishing (Restart):**

In order to reset the programmer to the initial working mode, press the “R” button with a pen or other pointed object. This way you will nullify the clock, as well as all the programs you have saved.

**IMPORTANT:**

- Do not use other timer switches for operating the radiator.
- Do not attempt to carry out any repairs to the programmer or appliance, this should be done by a competent or qualified engineer.
- Only use a soft cloth to clean the display. Do No use chemicals, water or other liquid or abrasive cleaners.

**Attention! The programmer does not operate the fan heater. Always ensure the fan heater is switched off, when the radiator is operated by the programmer.**

**Maintenance**

The Tesy Radiator is primarily intended for use in domestic premises. Dust can accumulate on the appliance after a certain period of use. You must periodically check the appliance and clean as necessary to ensure optimum efficiency, it is recommended that the inlet and outlet grilles of the fan heater are checked at least every two weeks to ensure they are free from dust or other particles.

**Before carrying out any cleaning or maintenance ensure the appliance is disconnected from the power supply.**

Any deposits in the fan heater, should be removed by blowing air through the outlet grille and then vacuuming from the inlet grill. Should deposits still remain the appliance should be cleaned and checked by an authorised engineer.

To clean the appliance surface, wipe the radiator with a soft damp cloth; do not use solvents or abrasive cleaning solutions. If needed, use a vacuum cleaner to remove any dust or deposits from the appliance.

**Important notes**

- Never use the fan heater in a bathroom or in an area containing baths, showers, washbasins, in swimming pool areas, or close to any other water or wet items
- Never use the appliance for drying clothes.
- Never place the power supply cable on top of hot surfaces.
- The radiator must always stand upright when in operation.

- Should the power cable ever require replacement, this should be done by a competent person or qualified electrical engineer.
- The appliance must not be used should any of the electrical components be faulty or disconnected such as the thermostat.
- Like all new electrical heaters, there will be a slight “new” smell, when the appliance is first used. To eliminate this set the heat output to maximum power for two hours upon initial use.
- Like all heating appliances you may hear the occasional expansion and contraction noises when the appliance is heating up and cooling down, this is normal and is nothing to be concerned about.
- You must never place the radiator immediately adjacent to a wall power socket.
- The radiator is filled with a special oil of extremely fine consistency and repairs must only be carried out by an authorised warranty repair center. In the event of any oil leak, immediately contact the service center.
- The appliance must not be used in rooms or areas with a floor area of less than 4 square meters. (40 sq ft)

*IMPORTANT: Do not cover the radiator when in operation. This may cause a dangerous increase of the radiator's internal temperature*

*Do not attempt to modify the performance of your appliance in any way, as this may result in danger to yourself or property. It will also invalidate any guarantee.*

## **GUARANTEE**

This appliance is guaranteed for one year from the date of purchase. If any defects arise due to faulty materials or workmanship, the unit will either be replaced or repaired free of charge. The appliance should be returned to the dealer or outlet where it was purchased with the original invoice or receipt as proof of purchase.

The guarantee is subject to the following provisions

- 1.) The guarantee is only valid in the country of purchase
- 2.) The product must be correctly used and operated in accordance with these instructions.
- 3.) It must solely be used for domestic applications.
- 4.) The guarantee will be rendered invalid if the product is resold or has been damaged or modified by unauthorised persons.
- 5.) The manufacturer/distributor disclaims any liability for incidental or consequential damages
- 6.) This guarantee is in addition to, and does not diminish your statutory or legal rights