

The Visage & Elegance range of Electric Radiators
the ultimate solution for central heating

INSTALLATION MANUAL & OPERATING INSTRUCTIONS



Models:	VIS1000.750.450	ELE1000.750.450
	VIS1200.750.450	ELE1000.750.450
	VIS1500.1050.450	ELE1500.1050.450
	VIS2000.1050.450	ELE2000.1050.450
	VIS2200.1350.450	ELE2200.1350.450

 **LUCHT LHZ**[®]
Elektroheizung GmbH & Co. KG

Please read all instructions before using this appliance and ensure these are stored in safe place for future reference.

Important Safety Instructions

- 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.
- Young children should be supervised to ensure that they do not play with the appliance;
- **WARNING:** In order to avoid overheating, do not cover this heater;
- The heater must not be located immediately below a socket-outlet;
- To avoid burns, do not touch the hot surface of the heater when it is in use.
- Use the handle when moving this heater.
- Do not run the power cord under carpets, rugs or runners and ensure it is away from a traffic area where it will not be tripped over.
- Connect the heater to properly grounded power outlets only.
- Use the heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock or injury to persons.
- Do not use this heater in the immediate surroundings of a bath, a shower, or a swimming pool;
- If the supply cord is damaged it must be replaced by the manufacturer, authorised service agent, or similarly qualified persons in order to avoid a hazard;
- **CAUTION:** In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must **not** be powered via an external switching device such as a timer, or connected to a circuit that is regularly switched on and off by the utility company;
- Please do not place your clothes or towel on the radiator for fear of over heating.
- Always use the heater in an upright position; make sure the heater is on a dry and even surface.
- Do not insert or allow foreign objects to enter any ventilation or exhaust opening, as this may cause an electric shock, fire and/or damage to the appliance.
- Do not use your appliance with an extension cord unless it has been checked and tested by a qualified electrician or electrical supplier.
- This product is for household use only. Do not use the appliance for any other purpose than its intended use.
- Do not position the appliances in close proximity to curtains or other combustible materials, explosive objects, or objects which can be easily deformed or damaged
- Keep combustible material such as furniture, cushions, bedding, paper, clothes, curtains etc. at least 1.0m away from the heater.
- Do not operate in areas where gasoline, paint or other flammable liquids are used or stored.
- The appliance is not suitable for outside use

WARNING - THIS APPLIANCE MUST BE EARTHED.

This heater must be used on an AC supply only and the voltage marked on the heater must correspond to the supply voltage. Before switching on, please read the safety warnings and operating instructions.

- nominal stress: 230V AC, 50 Hz
- protection class: I
- degree of protection: IP 24
- room thermostat: 7°C till 30°C

1. Instructions for use

Digital TEI 1




The Keyboard consist of four buttons:


- (+) Adjustment increase
- (-) Adjustment decrease
- Mode selection button
- Power 'on/off' button




Mode button:

The Mode button has four stages of operation 'Comfort' 'Economy' 'Frost Protection' and 'OFF':


> **Comfort Mode:** The sun icon  is displayed and this is normally used for day time setting.


> **Economy Mode:** The moon icon  is displayed and this is normally used for a night time setting.

> **Frost Protection Mode:** The frost icon  is displayed and this is normally used for periods of absence from the house during winter months. This is a factory pre-set mode and is set to 7°C

> **OFF:** The digital display will show two small horizontal bars in-line with each other denoting that the radiator is still switched on but that no other program mode is required.

Normal Operation:

Switch the radiator on by pressing the  icon and select either the **Comfort** or **Economy** Mode of operation. This is achieved by briefly pressing the Mode button until the desired icon is showing on the digital display. The digital display will also show the current temperature of the room. To check or set the desired room temperature briefly press the + or - button and the digital display will show the thermostat temperature setting. If you require the room thermostat temperature setting to be increased or decreased, briefly press the + or - button until the desired room thermostat temperature setting is showing. The digital display will flash approximately 4 times at 1 second intervals and then the digital display will stop flashing and display the current room temperature. If the current room temperature is lower than the room thermostat temperature setting you set as above, then the digital display will show 'on' in the upper right section of the display. This indicates that the radiator is calling for heat and after a few seconds you will be able to feel the heat coming out of the top of the radiator.

Note: The digital display will also show a clock  icon periodically, however this function is not installed in this radiator and therefore should be ignored.

Keypad Locking:

To lock the keypad, simultaneously press the + or - buttons for 5 seconds. After 5 seconds the 'LO' message will be displayed indicating the keypad is now locked. Once the keypad has been locked pressing on any button will display 'LO' on the digital display. To unlock the keypad, simultaneously press the + or - buttons for 5 seconds. After 5 seconds the 'LO' message should then disappear and the digital display will revert to a normal display.

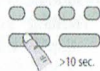
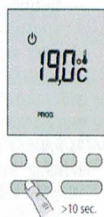
Thermostat temperature Setting Range: (Set Point)

The set-point limit of the **Comfort Mode** is between 7°C and 30°C and for the **Economy Mode** will be 2°C lower than the **Comfort Mode** set-points (e.g. For above settings will be between 5°C and 28°C)

2. Instructions to use

TDI Digital Integrated Thermostat

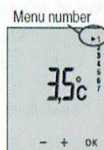
When in Off mode, press and hold down the On/Off button for 10 seconds to access the first configuration menu.



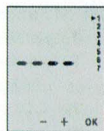
Menu 1: ECO set-point adjustment

By default, Economy setting = Comfort setting - 3.5°C. This reduction can be set between 0 to -10°C, in steps of 0.5°C.

To adjust the reduction, press on the + or - buttons then press OK to confirm and go to the next setting.



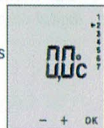
To allow the user to modify the set-point, press on the + button in Economy mode until "----" is displayed on the screen.



Menu 2: Correction of the measured temperature

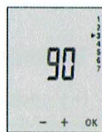
If there is a difference between the temperature noted (thermometer) and the temperature measured and displayed by the unit, menu 2 acts on the measurement of the probe so as to compensate for this difference (from -5°C to +5°C in steps of 0.1°C).

To modify, press on the + or - buttons then press OK to confirm and go to the next setting.



Menu 3: Backlight time out setting

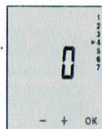
The time out can be adjusted between 0 and 225 seconds, in steps of 15 seconds (set on 90 seconds by default). To modify, press on the + or - buttons then press OK to confirm and go to the next setting.



Menu 4: AUTO mode temperature display option

0 = Continuous display of room temperature.
1 = Continuous display of set-point temperature.

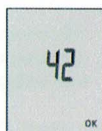
To modify, press on the + or - buttons then press OK to confirm and go to the next setting.



Menu 5: Product number

This menu allows you to view the product number.

To exit the configuration mode, press OK.



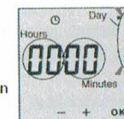
Time Setting

In Off mode, press the button.

The days flash.

Press + or - to set the day, then press OK to confirm and go on to set the hour and then the minutes.

Press the button once to access the programming, and press the On/Off button once to exit the setting mode.

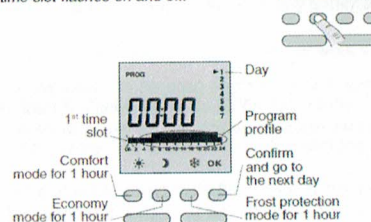


Programming

When starting up, the "Comfort mode from 8am to 10pm" program is applied to all the days of the week.

To change the programming, press the PROG button in Off or AUTO mode.

The 1st time slot flashes on and off.



Quick programming:

To apply the same program to the following day, press and hold the OK button for approximately 3 seconds until the program of the following day is displayed.

To exit the programming mode, press on the On/Off button.

Use

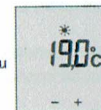
The Mode button allows you to select the different operating modes: Comfort, Economy, Frost protection, programming **AUTO** mode.

Pressing the button gives you the temperature of the room or the set-point temperature, according to your configuration settings in menu 5.

If the **ON** icon is displayed, this means that the device is in heating demand mode.

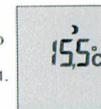
Continuous Comfort

Pressing and holding the + or - buttons lets you change the current set-point (+5 to +30°C) in steps of 0.5°C.



Continuous Economy mode

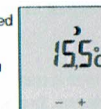
The Economy set-point is indexed according to the Comfort set-point. The reduction can be modified in the configuration settings for menu 1.



Modifying the Economy set-point

The set-point can be modified if it was authorized in the configuration settings in menu 1 ("----").

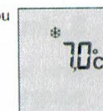
Pressing and holding the + or - buttons lets you change the current set-point (+5 to +30°C) in steps of 0.5°C.



Use

Continuous Frost Protection

Pressing and holding the + or - buttons lets you change the current set-point (+5 to +15°C) in steps of 0.5°C.



AUTOMATIC mode

In this mode the device follows the programming set.

To modify the programming, press the PROG button once.

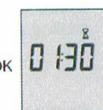


Timer mode

To set a set-point temperature for a certain period of time, press on the button once.

To set the temperature you want (+5°C to +30°C), use the + and - buttons, then press OK to confirm and go on to set the duration.

To set the duration you want (30 min to 72 hours, in steps of 30 min), use the + and - buttons (e.g. 1 hr 30 min), then press OK. To cancel the timer mode, press on the OK button.

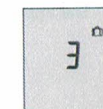


Absence mode

You can set your device to Frost protection mode for a period between 1 and 365 days, by pressing on the button.

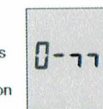
To set the number of days of absence, press on the + or - buttons, then confirm by pressing OK.

To cancel this mode, press on the OK button again.



Locking the keypad

If you press and hold the central buttons simultaneously during 5 seconds, it enables you to lock the keypad. A key symbol appears briefly on the display. To unlock the keypad, press simultaneously on the central buttons.



Once the keypad is locked, the key symbol appears briefly if you press on a button.



Technical characteristics

- Power supplied by the power card
- Dimensions in mm (without mounting lugs): H = 71.7, W = 53, D = 14.4
- Screw-mounted
- Install in an environment with normal pollution levels
- Storage temperature: -10°C to +70°C
- Operating temperature: 0°C to +40°C

3. Important notes

During operation the temperature at the front panel and at the hot-air outlet of the convector may rise above 85 °C. Do not place any objects on or beside the heater, do not put anything between the heater and the wall.

Free air exit must not be hindered by covering the hot-air outlets with any objects such as curtains, pieces of laundry etc., otherwise risk of overheating.

Combustible objects such as wood, paper, textiles etc. as well as highly flammable substances such as wax, petrol, aerosols must not be placed near the heater within the hot-air current. Switch the heater off when carrying out work where highly flammable vapours could emerge, such as laying or sealing parquet or other kinds of floor covering or when using aerosols, floor wax, petrol etc.

Caution!

The appliance must not be installed in rooms with explosion hazard such as garages etc. Remove the protection foil from all panels prior to first use. Should the heater give off a bad smell when it is heated up for the first time this is caused by manufacturing-related residues, which are harmless to health. This nuisance will disappear within short time.

The rising hot air can cause staining on the wall, a phenomenon seen in all other types of heaters too. The appliance may only be opened by an authorized professional with the power supply disconnected.

4. Maintenance

Ensure the appliance is switched off before cleaning. Cleaning can be carried out using a moist cloth with a mild detergent. Finally polish with a dry cloth. Do **not** use any abrasive or caustic detergents when cleaning the appliance.

5. Installation instructions

These installation instructions are an integral part of the appliance and must be kept in a safe place by the user. Please ensure these are passed onto subsequent users or owners of the appliance.

This appliance is a direct electric heater that is exclusively intended for being mounted to walls. The convector comes complete with connecting cable that must be connected to a wall socket.

The appliance has been designed to be connected to 230 V (nominal) alternating current (AC) power supply

Fixing for Wall Mount installation

When installing the appliance, the minimum safety distances detailed below must be maintained to ensure combustible objects cannot catch fire. Secure the heater to an upright wall that is resistant to a minimum temperature of 90° C.

Ensure there is a minimum distance of 25 cm to the floor and a minimum space of 10 cm between the appliance and any other objects. Any window sills, roof slopes, brackets etc. must be located at least 50 cm away the hot-air outlets of the heater.

If the appliance is used in bathrooms, install it in such way that the Thermostat control dial or the temperature selector cannot be touched by a person being in the tub or under the shower.

When fixing the appliance to the wall observe the dimensions given in Fig. 4 and follow all other instructions for installation. Drill two holes of 7mm and fix the appropriate plugs. Screw in the two 4 x 25 mm screws so that a distance of 1 – 2 mm is kept between screw head and wall.

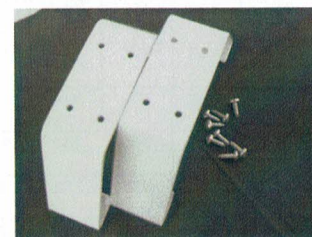
Secure the appliance on the suspension brackets which are fixed to the back of the heater and push it to the left until it stops.

Then tighten the left-hand screw through the air exit grille and the provided hole in the back panel of the heater. The appliance should now be securely attached to the wall.

Fixing Feet for Freestanding Installation

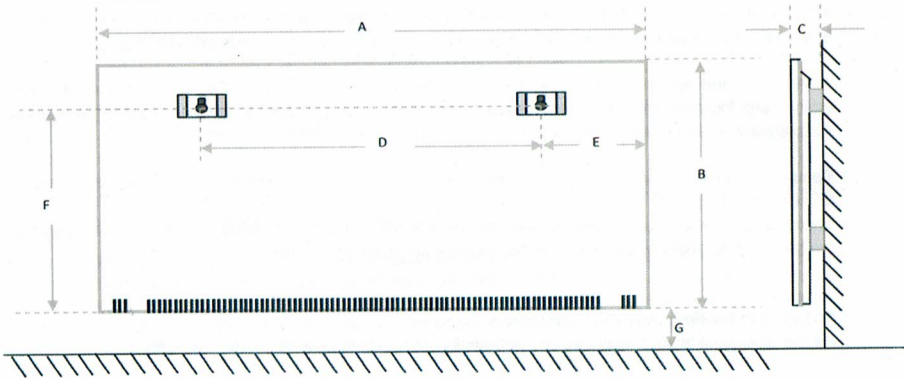
Fix the appliance in such way that any potentially combustible objects cannot catch fire.

1. Place the convector on a flat desk or work surface.
2. Match the holes on the bottom of the unit to the 4 holes on both feet (fig. 1).
3. Fasten the feet to the unit by fixing with the screws provided.



(Fig. 1)

RADIATOR - REAR PANEL FIXING DIMENSIONS



Radiator Model	Heating Capacity (Watts)	Width A (mm)	Height B (mm)	Depth C (mm)	Fixing Dim. D (mm)	Fixing Dim. E (mm)	Fixing Dim. F (mm)	Fixing Dim. G (mm)	Weight (kgs)
VIS1000.750.450	1000	750	450	85	442	140	375	250	11.5
VIS1200.750.450	1200	750	450	85	442	140	375	250	11.5
VIS1500.1050.450	1500	1050	450	85	740	140	375	250	15.0
VIS2000.1050.450	2000	1050	450	85	740	140	375	250	15.0
VIS2200.1350.450	2200	1350	450	85	1040	140	375	250	18.0
ELE1000.750.450	1000	750	450	85	442	140	375	250	8.2
ELE1200.750.450	1200	750	450	85	442	140	375	250	8.2
ELE1500.1050.450	1500	1050	450	85	740	140	375	250	10.3
ELE2000.1050.450	2000	1050	450	85	740	140	375	250	10.3
ELE2200.1350.450	2200	1350	450	85	1040	140	375	250	12.4

Electrical installation

The appliance has been designed to be connected to 230 V (nominal) alternating current (AC); 50Hz supply

All electrical installation work, in particular protective measures, must be carried out in compliance with the national regulations, statutory provisions and 'best industry practice' of the respective utilities provider.

The electrical installation may only be carried out in compliance with the installation instructions and by a competent suitably qualified electrical engineer.

The appliance has been designed for fixed connection, therefore the connecting cable of the appliance must be connected to a suitable rated wall fixed 'fused spur' connector socket. **(Note:** Permanent cables must not be connected directly to the appliance)

Where a switched isolation wall socket is used then a 3 mm separation on all poles is required.

The minimum distance between appliance and connector socket must be 10 cm. The connecting cable must not have contact with the appliance.

In situations where the connecting cable is damaged, it should only be replaced by authorized replacements as identified by the manufacturer!

All electrical installations must comply with the national 'Wiring Regulations'



Marking Plate:
ATTENTION: DO NOT COVER!
 AFIN D'ERITER UNE SURCHAUFFE NE PAS
 COUVRIR L'APPAREIL DE CHAUFFAGE!
 HEIZUNG NICHT ABDECKEN !

Marking Plate:
WARNING: FIRE RISK EXISTS IF THE HEATER IS COVERED BY OR POSITIONED CLOSE TO CURTAINS OR OTHER COMBUSTIBLE MATERIALS.

Marking Plate: Technical Data & Manufacturer



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