

Dear Buyer!
Thank you for purchasing
the infrared heater
ILMIT Aluminium



PRODUCT DESTINATION

The electric heaters of trademark "ILMIT" (hereafter referred to as the heaters) are indoor, electric, single-phase heaters of soft infrared radiation. They are used as primary or secondary heating for residential and commercial premises.

As opposed to convective heating systems (heater fans, electric radiators, stationary batteries) which first of all heat air throughout the entire room and only then – by the

means of it – objects and bodies inside, infrared heating system, used in these heaters, has numerous advantages:

- somewhat lower air temperature in the premises, at a comfortable temperature;
- on the surface of objects, floor, walls, there's a freshness effect - the air is not dried up;
- electric energy economy;
- lower convection (thermal motion of air volumes) reduces the amount of dust raised from the floor;
- heaters do not create the "effect of the burnt air" in contrast to the heaters with high-temperature working surface.

The modern design of the heater allows it to fit into any apartment interior.

The heater is an attachable heating device for installation at high level. According to the type of protection from electric shock the heaters refer to Class I device.

In accordance with the safety requirements (IEC 60335-2-30:2009) the heaters are designed so that during normal use they are operated safely and that there is no danger to humans or the environment in the event of rough handling with the device, what can be possible under normal operation.

SAFETY PRECAUTIONS

1. Before use, carefully read these operation instructions.
2. Use the heater exactly as prescribed, as stated in the instructions.
3. To avoid the danger of electric shock do not immerse the device into water or other liquids and keep it from ingress of moisture.
4. Make sure that the voltage of electrical network is compliant with the operating voltage indicated on the device marking.
5. The connection must be carried out only by qualified personnel in accordance with the requirements and rules on electrical safety.
6. It is forbidden to:
 - install the heaters in close proximity to the AC power outlet;
 - operate the heaters without connection to the grounding wire;
 - switch the heaters on when the covers are removed;
 - touch the radiant plate of the heater during its operation;
 - clean radiant plate of the heater with flammable liquids during the operation.
7. Use of the heaters is forbidden in premises:
 - with a potentially explosive atmosphere;
 - with biologically active medium;
 - with volatile inflammable materials.
8. Temperature of the radiant panels when using space heaters can reach 250°C. To prevent burns, you should prevent a contact, including random, of any person with radiant panels of the heater.
9. 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 supervising.
10. Children being supervised not to play with the appliance.

HEATER CONSTRUCTION

The heater «ILMIT» consists of: high-precision aluminum housing, low-temperature Tubular Heating Element-THE, built into the radiant plate, heat insulation, a protective aluminum cover with terminal block for connecting the heater to power network.



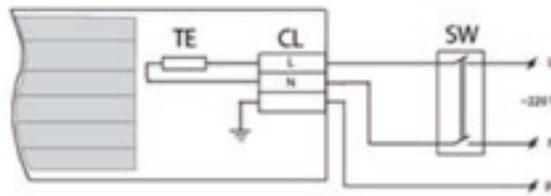
The operating principle of the heater is as follows: at the switch contacts closure current heats the THE, causing heating radiant plate, which emits a directional infrared radiation, heating the surface of bodies and objects. At the same time temperature at the surface of bodies and objects will be different depending on their absorptive properties (surface color, material), the angle of incidence of infrared rays, the shape and surface area.

INSTALLATION AND CONNECTION

Connecting the heater to power supply mains must be done through the power cord fitted with a plug for providing reliable disconnection of the device from power source.

Insulation of the power cord must be protected by an insulating tube with a working temperature range - 30°C to +70°C. In case of connection directly to fixed wiring, it should go with a breaker switch (SW), providing disconnection of the device from mains supply. Thermostats can be used as break switches, which allows the customer automatically maintain the desired temperature of comfort in the premise.

When using the thermo regulator, you should install it at a height of about 1.3 meters above the floor so that it does not enter into the zone of direct action of heating infrared rays.



WARNING!

- Some heaters are connected in parallel
- The wire cross-section for connection to a terminal is 1.0 mm² ... 2.5mm².
- Before device installation, you must install a breaker switch, or protective cutout device, with a corresponding current force.

1. Insert two hangings into the technological holes.



2. Mount two semicircles on the ceiling at a distance of 500...1300mm (depending on the model) and hang the heater.



3. Press and open the cover to connect the cable to the terminal.



4. Insert the wire through the hole in the panel/ cover, clean the contact points and connect as shown according to the figure and the wiring diagram to the terminal of the heating unit.



5. Secure the wire to the stopper.



6. Close the lid.



**WARNING!**

- When you turn the device on for the first time, please set the thermoregulator on maximum value and do not turn it off for 5...7 hours. During this time the technological lubricant evaporates from the device (a faint smell of burning). After that, ventilate the premise.
- During operation you could hear a light crackling at the time of heating or cooling, disappearing with the release of operating mode within about 20 minutes.

TECHNICAL CHARACTERISTICS ILMIT

	ILMIT AI - 5	ILMIT AI - 8	ILMIT AI - 10	ILMIT AI - 15
Rated power (W)	500	800	1000	1500
Rated voltage (V)	220 – 230 ~	220 – 230 ~	220 – 230 ~	220 – 230 ~
Current (A)	2.3	3.6	4.6	6.8
Dimensions (mm)	795*145*28	1045*145*28	1385*145*28	1785*145*28
Weight (kg)	2.3	2.5	3.5	4.8
Heated area (m²)	5 - 8	8 - 12	11 - 16	16 - 22

COMPLETE SET

1. Electric Infrared Heater - 1 pc.
2. Mounting kit - 1 pc.
3. Operation instructions - 1 pc.

OPERATION AND MAINTENANCE

The heaters hardly need any maintenance. For their reliable operation the following point must be observed (only after disconnection from the mains):

- in case of pollution, after the obligatory shutdown and cooling, clean the heater housing and a radiating plate with a damp cloth

STORAGE REGULATIONS

The heater must be kept in their factory packaging, in premises with temperature range of -20 ... +50°C at humidity not more than 80%.

WARRANTY

The manufacturer warrants against defects in products within 3 years from the date of purchase. If during this warranty period defects in operation due to the fault of the manufacturer are revealed, the trading organization will repair the product free of charge or replace it in the presence of a sale stamp.