

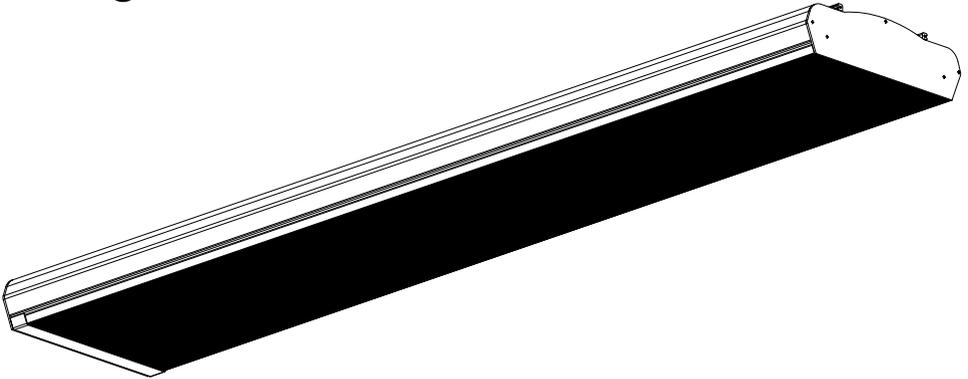
ATC Electrical & Mechanical,
ATC House, Broomhill Drive, Tallaght, D24 EF99, Ireland
IE: 01 4678301, UK:0203 564 9164, Email sales@atc.ie

atc.ie

atcelec.co.uk

HOT TOP

Long Wave Heater



INSTALLATION, OPERATION & MAINTENANCE MANUAL

CE

Class I - IP 55

Introduction to the product

HOT-TOP is an IR-C heater which surrounds you with its soft and cozy warmth.

HOT-TOP is perfect in focusing its warmth in defined indoor areas. You can use it as long as you like, since its warmth is invisible.

You won't see any light, but it functions like the sun, warming your body instead of the air. For this reason there is no need to warm-up the complete environment to feel comfortable. It is perfect for restaurants, offices, supermarkets, factories.



Technical specifications

Supply voltage	220-230 V 50-60 Hz
Insulation class	I
IP level	IP55
Emission spectrum	IR-C

Benefits

HOT-TOP doesn't dry the air and doesn't lift dust.

It doesn't need gas, for this reason it doesn't emit any combustion waste.

In comparison with gas heating its maintenance is easier and cheaper.

Its efficiency is higher, if compared with other heaters, because its shape enhances the front radiating surface and decreases the warmth dispersion from the rear of the heater. It is also for this reason that the minimum distance from the wall or the ceiling is shorter.

The top quality material and strongest surface casting make it more resistant than ever. The heating elements have been vulcanized with silicon in order to make them last longer.

Designed, engineered and produced in Italy.

It can be easily installed on walls or ceilings.

Safety instructions



Instructions should be carefully read before installation and retained by the user. The booklet must be kept and delivered to the new user in case of cession of the machine. The Manufacturer reserves the right to vary the features of the product without prior notice. The technical data are merely indicative.

1. This appliance is intended solely for the use it has been designed for, namely the achievement and maintenance of a certain thermal comfort for the people by means of irradiation on them. The product can also be used to heat indoor environments. Ensure that the heater is combined with an appropriate control device. The Manufacturer or distributor is not responsible for any damage that could happen for improper use.
2. After unpacking make sure that the appliance is complete and shows no signs of visible damage or tampering.
3. The device can be used by children at least 8 years (as well as by persons with reduced physical, sensory or mental capabilities, or lack of experience or required knowledge) provided that they are under surveillance, or after they have been instructed relating to the safe use and have understood the potential dangers. Children should not play with the appliance. Cleaning and maintenance must be performed by the user and not by unsupervised children.



Do not use it in small rooms used by people who are unable to leave such rooms on their own unless they are under constant surveillance. Ensure the heating appliance features an external device to control ambient temperature.

All users should be made aware of all aspects of operation and safety and these instructions should be retained for reference.

-
4.
 - Children of less than 3 years should be kept away unless continuously supervised.
 - Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
 - Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.
 5. Children should be supervised to ensure that they do not play with the appliance.
 6. 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.
 7. Do not use in presence of gas, inflammable or explosive liquids or substances. Defined in BS5345.
 8. Some fundamental rules which apply to all electrical devices must be observed when using the heater:
 - Do not touch the heater with wet hands.
 - Do not handle with bare feet.
 - Do not let children play with the electrical appliance.
 9. Do not apply any modification to the product.
 10. Keep connections dry.
 11. If the power supply cord is damaged, avoid to use the appliance. For power cord replacing, please contact the manufacturer or the technical service or a person with similar qualification, in order to avoid any risk.
 12. If the appliance is not used for a long period, disconnect it from the power supply.
-

Electrical installation

Warnings



Before connecting the appliance make sure that the voltage is the same as indicated on the device and the line supply is corresponding to the effective rules.

The installation should always be carried out by a qualified electrician or a competent person in accordance with the current electrical standards for your country:

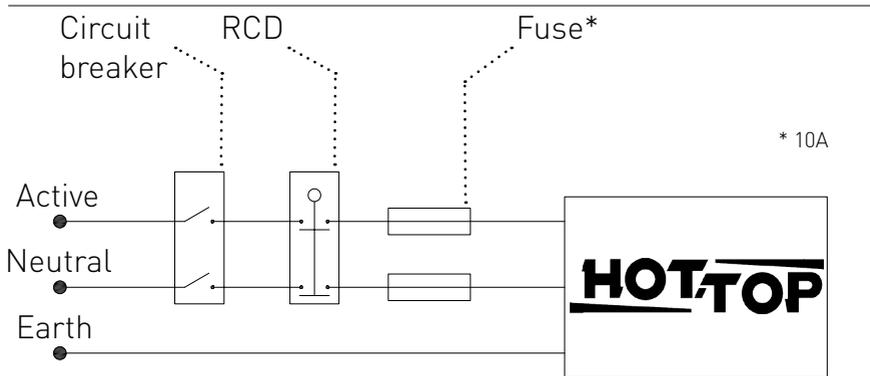
(ex. HD 384 CENELEC for Mainland Europe, IEC 60446 and BS 7671 for the United Kingdom, IEC 60445(2010) & ET101:2008 for Ireland and IEC 60364-7 1988 Internationally, AS/NZS 3000 for Australia) and according to the UE 2015/1188 standards.

The energy supply to the heater must always be properly earthed.

The appliance must be connected to energy supply line by means of the provided H05SS-F silicone cable.

An overvoltage category III Combined Circuit breaker and Residual Current Device (RCD) with rated earth leakage operation not exceeding 30mA must be fitted upstream on the supply line in order to have a contact separation in all poles that provide a full disconnection. The circuit breaker must have a contact opening distance of at least 3 mm.

The product is in class I and IP55, which is the protection rate for the units to be used even outdoor. For keeping the protection rate of the appliance, the connection of the appliance with the power supply must be done by means of a minimum IP55 system, as per the standards HD 384 CENELEC for Europe, or international IEC 60364-7 1988.



All irradiation heaters are designed to achieve and maintain a certain thermal comfort to the people who need it. It is therefore very important to carefully study the area where people stay and consequently direct the radiation towards them.



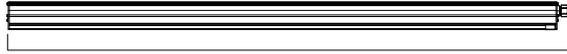
CAUTION!

Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.

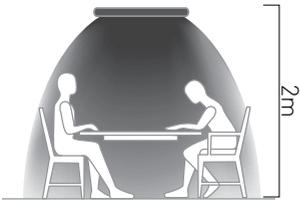
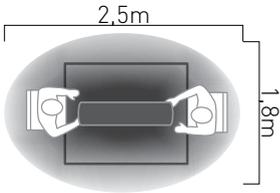
Additional information

- Under no circumstances turn the appliance on if it is on any surface.
- A safety distance of not less than 100 cm should always be left in front of the heaters or too near.
- The appliance must not be located neither directly below, nor in front of a socket-outlet.
- The heater must be installed so as to prevent that the switches can be touched from those who are in the shower.
- Avoid the use of an extension cord with this product, because the extension cord may overheat and cause a risk of fire.
- Ensure that there is no possibility of inflammable material, combustible material or curtains coming into contact with the heater, or lie near the heater.

Model and warmth diffusion



1,2m



POWER 1800W

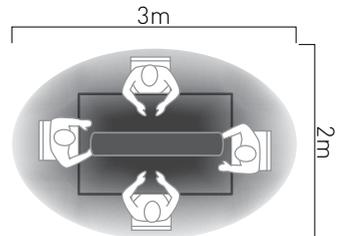
RADIANT SURFACE 3650cm²

COVERAGE 7 m²

WEIGHT 6,4kg



1,5m

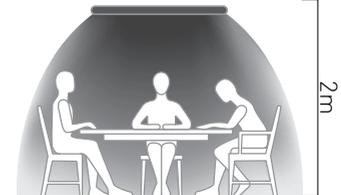


POWER 2400W

RADIANT SURFACE 4575cm²

COVERAGE 9 m²

WEIGHT 7,8kg



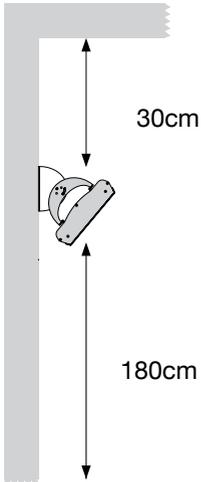
Temperature increase

+5

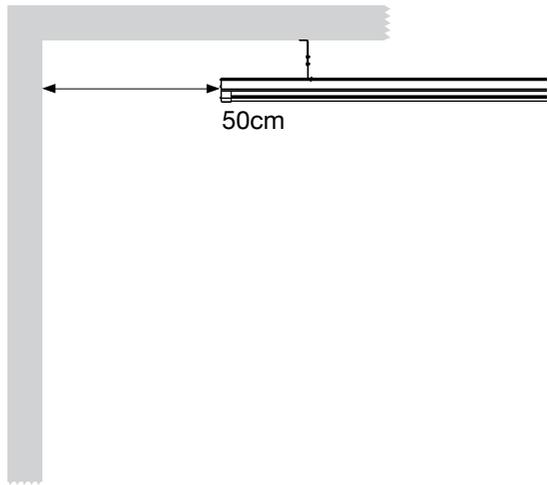
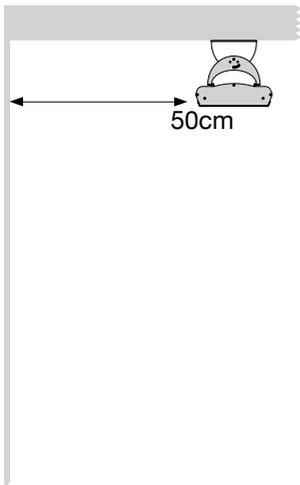
+10

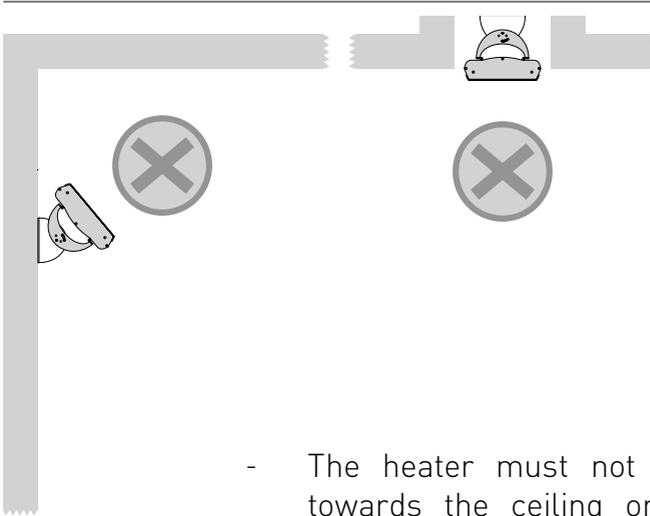
+16

Safety distances



- The heater must be installed at a minimum height of 180 cm.
- If installed in a toilet, the height should be 225 cm in zone 1 and zone 2; in zone 3 the minimum above ground level is 180 cm, according with the rules of each Country.
- A minimum air gap of 30 cm should always be allowed between the top of the heater and a ceiling or roof. The appliance should be 50 cm away from the walls



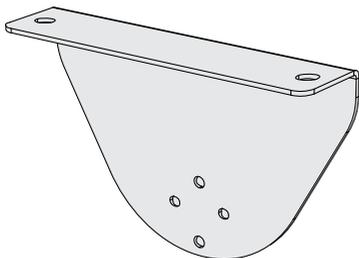


- The heater must not be directed towards the ceiling or flammable materials.
- The device must not be mounted into the ceiling. You must leave enough space around the top of the unit to ensure good ventilation.
- Do not use the heater in close proximity of a bath, shower or swimming pool.
- If there is nobody in the room to be heated, it is recommended to turn off the unit.

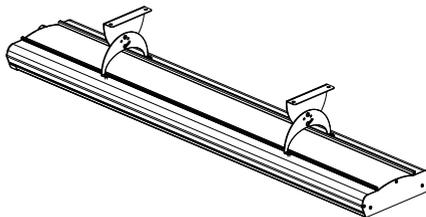


Wait 15-20 minutes after power to reach the maximum temperature.

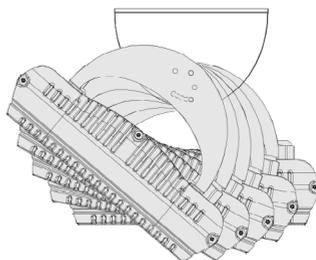
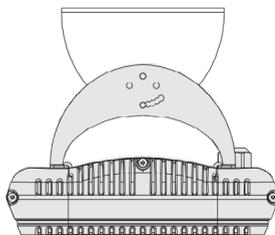
Provided wall/ceiling support



cod. 004456



The support to be fixed to the wall has a series of holes that allow to fix the heater in different positions.

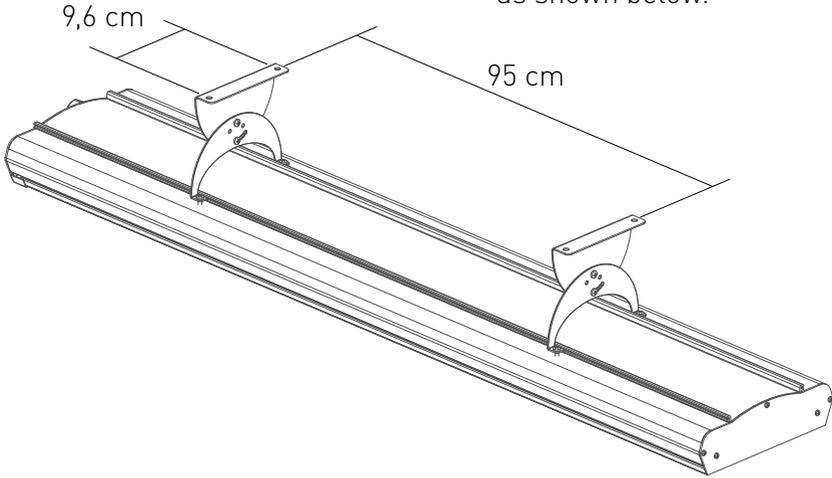


Mounting

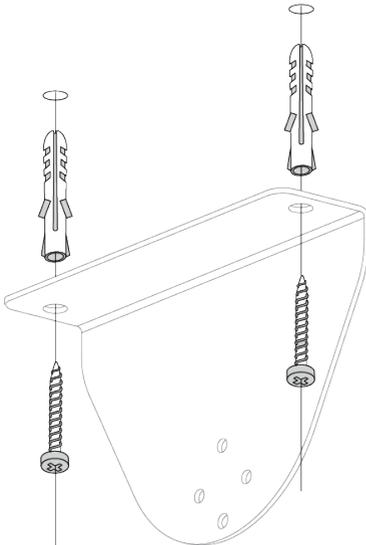


Before being used, the heater must be fixed to the wall or to the ceiling by means of the provided supports.

1. Drill four holes in the wall as shown below.

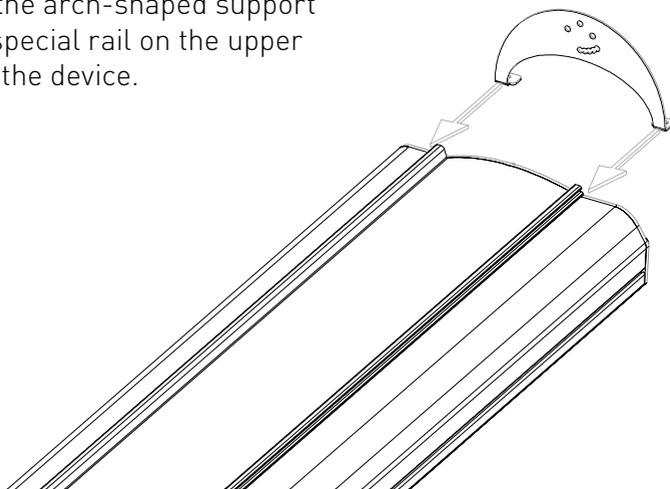


2. Fix the two supports to the wall using dowels of appropriate size.



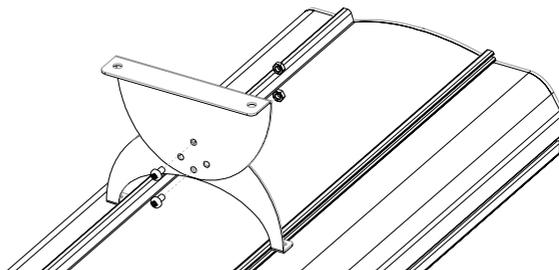
Ensure that the wall where you intend to attach the device is solid and electric cables or water pipes are not in the area.

-
- 3.** Insert the arch-shaped support in the special rail on the upper side of the device.

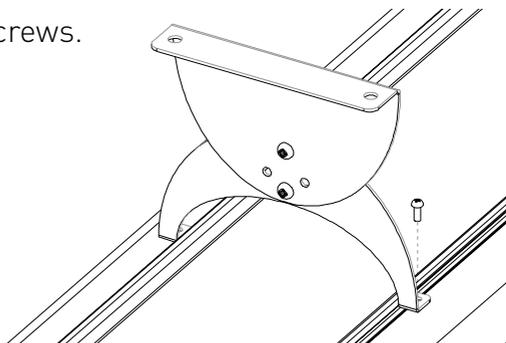


-
- 4.** Align the holes of the supports and join them together using the supplied bolts, setting the desired inclination.

Ensure that the heater points into in the area to be heated. Firmly tighten the screws when finished.



- 5.** Tighten the safety screws.



Care and cleaning



*Before cleaning, be sure the appliance is disconnected from the power supply and allowed to cool.
Never immerse the appliance in water or any other liquid.*

To clean, use a soft damp cloth and then dry thoroughly. Make sure all parts are dry before using again.

Avoid the use of harsh detergents, solvents, and abrasive or aerosol cleaners as they may damage surfaces.

Technical service



*Always disconnect the appliance before doing any maintenance operation.
Cleaning and maintenance must be performed by the user and not by unsupervised children.*

To avoid risk of failures it is necessary to operate the unit for a few hours every 6 months.

If you have any questions relevant to your appliance, call the local authorized distributor or the nearest Service Centre. Every repairs should be carried on by an authorized Service Centre and also ask always for original spare parts.

Disposal



This product conforms to EU Directive 2002/96/EC.

This appliance bears the symbol of the barred waste bin. This indicates that, at the end of its useful life, it must not be disposed of as domestic waste, but must be taken to a collection centre for waste electrical and electronic equipment, or returned to a retailer on purchase of a replacement.

It is the user's responsibility to dispose of this appliance through the appropriate channels at the end of its useful life. Failure to do so may incur the penalties established by laws governing waste disposal.

Appropriate separate collection for the subsequent dispatch of the appliance for recycling, treatment and environmentally compatible disposal helps prevent negative impact on the environment and human health and promotes recycling of the materials making up the product.

For more detailed information regarding the collection systems available, contact your local waste disposal service or the shop where you purchased the product.

Producers and importers comply with their responsibility for the recycling, treatment, environmentally friendly disposal, either directly or by participating in a collective system.

Warranty

ATC Electrical and Mechanical provides a two year limited parts warranty as long as the unit has been installed, used and maintained in accordance with the information provided in this manual. For full terms and conditions of sale and warranty please see www.atc.ie.

In order to arrange parts for the heater, the information listed below is required. It is recommended to write this information below and keep this instruction manual in a safe place.

Serial Number: _____ Date of Manufacture: _____

Date of Purchase: _____ Location Purchased: _____

Data	Symbol	Value		Unit
		9818	9824	
Thermal power				
Nominal thermal power	P_{nom}	1.8	2.4	kW
Minimum thermal power(indicative)	P_{min}	1.8	2.4	kW
Maximum continuous thermal power	$P_{max\ c}$	1.8	2.4	kW
Auxiliary consumption of electricity				
At normal thermal power	el_{max}	0	0	kW
At minimum thermal power	el_{min}	0	0	kW
StandBy mode	el_{SB}	0	0	kW

			9815 - 9824
Type of heat output/room temperature control			
	YES	NO	
Single stage heat output, no room temperature control	X		
Two or more manual stages, no room temperature control		X	
With mechanic thermostat room temperature control		X	
With electronic room temperature control		X	
With electronic room temperature control plus day timer		X	
With electronic room temperature control plus week timer		X	
Other control options			
	YES	NO	
Room temperature control, with presence detection		X	
Room temperature control, with open window detection		X	
With distance control option		X	
With adaptive start control		X	
With working time limitation		X	
With black bulb sensor		X	