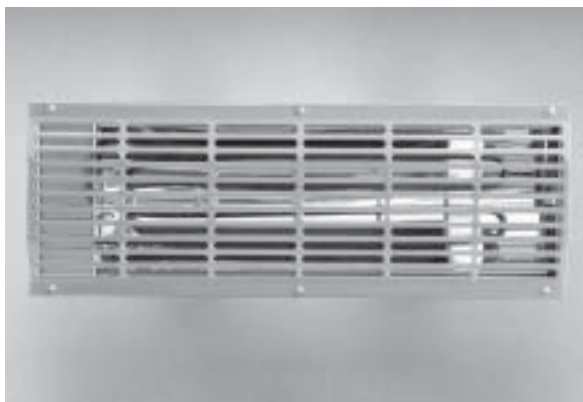


emotion of sauna.



Assembly instructions and instructions for use Infrared emitter

IRS 4



CE IP x4

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Wichtige Hinweise

There is a fire risk if assembled incorrectly. Please read these assembly instructions carefully. Take special note of the measurement details and the following notes.

- The infrared thermal emitter is intended for a connection voltage of 230 V 50 Hz via an infrared controller.
- Assembly and connection to the infrared controller must be carried out in accordance with the connection diagram (Fig.9).
- Before the emitter is operated via the controller, check that all connectors are firmly connected with no risk of coming loose.
- The EU 60335-2-53 (VDE 0700 Part 53) regulations are to be complied with inside the infrared booth.
- Only the number of emitters specified for the size of the booth should be assembled in the infrared thermal booth.
- One of the controllers specified below should be used to regulate or control the infrared emitter. This controller should be fixed to the infrared thermal booth in accordance with the assembly instructions.
- The assembly of the infrared emitter in the booth must be carried out in such a way to assure even all-round emission for the sauna frequenter.
- The infrared thermal emitter is not suitable assembly on the booth ceiling and must not be mounted there.
- If the infrared thermal emitter is assembled in the rear area, then appropriate protective measures must be taken to ensure that the flocked protection grille cannot be pressed in unintentionally (e.g. a wooden grille mounted in front).
- Take care to ensure that the main energy discharge occurs through the infrared radiation.

Additionally, however, a thermal heat discharge arises at the housing in the

vertical assembly. This heat can stress the emitter thermally! **Caution: fire risk!**

Ensure that this hot convection air can escape by rising freely.

If necessary, appropriate steps should be taken (e.g. thermal protection slabs) to ensure that the wood is not exposed to inadmissible temperatures.

- The infrared thermal emitter is equipped with a silicon connection cable with a 3-pin connector. This connector is joined to the connector of the infrared controller with a free outlet.

Care must be taken to ensure that the earth is properly tight.

- Up to 5 infrared thermal emitters may be connected to this socket distribution. For practical reasons, the connector should be fitted to the booth ceiling.

Attention: Covering causes a fire risk!

- Recommended radiation distance between a person and the infrared emitter: 30-50 cm

For the regulation you use the controller 48 IR, 60 IR, EMOTEC HIC75 or a controller specified by the booth manufacturer.



Attention: Covering the infrared thermal emitter causes a fire risk!

Caution!

If affected by any skin disorder, consult your doctor before use.

Technical data

Voltage: 230 V 50 Hz

Power input: 400 W

Height: 530 mm

Width: 185 mm

Depth: 65 mm

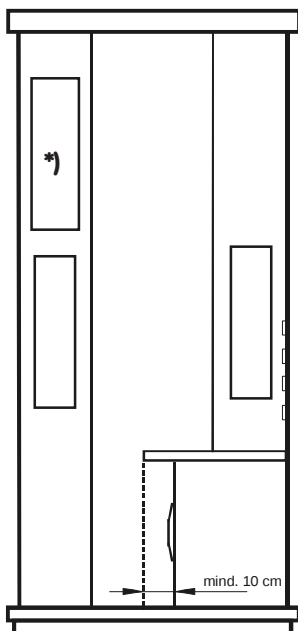
Weight: approx. 2 kg

Assembly

The emitter should be assembled in such a way as to ensure that the body of the sauna frequenter radiates over as large an area as possible.

Assembly in the four corners of the infra-red booth is recommended.

Assembly example:



**) assembly of a colour light appliance FL 2000 also possible.*

Fig. 2

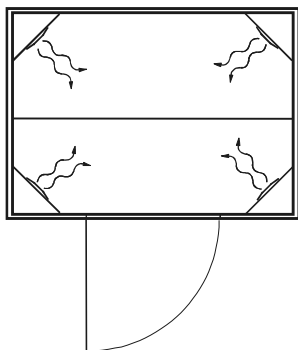


Fig. 3

For assembly, a right-angled opening of 530 x 165 mm must be fitted vertically into the wood.

This opening is filled out horizontally for the net emitter.

The emitter can then be assembled with the enclosed chipboard screws (see Fig. 4 and 5).

Positioning of the infrared emitters

vertical assembly on the booth wall

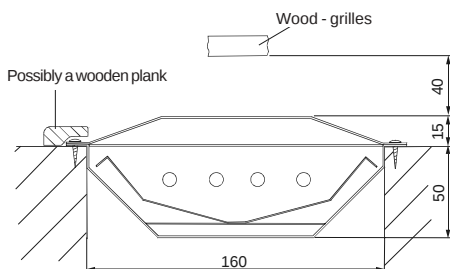


Fig. 4

vertical assembly in the booth corners

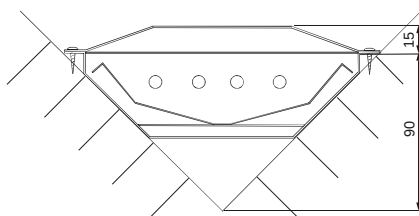


Fig. 5

● Minimum distances

The minimum distance from the emitter upper edge to the booth ceiling must be 40 cm.

The minimum distance from the emitter lower edge to the wooden floor of the booth must be 16 cm.

The horizontal minimum distance between the emitter and all combustible parts must be 4 cm.



Very important!

In the case of vertical assembly (connection always upwards or in accordance with the booth manufacturer's specifications), the area above the emitter should not be encased with wood in front (Fig. 6). Hot air rising when the housing is heating must be able to escape freely. Fire risk!

In the case of horizontal assembly in the area of the nets (net emitter), the emitter may not be covered by objects such as towels, and must be made safe if necessary by fitting an additional wooden grille. Fire risk!



Fig. 6



Fig. 7

Caution!

For assembly of the net emitter, the measurements specified in Fig. 2, 4 and 5 must be complied with.



The calf emitter may not be taken off by a towel or an other. Fire risk!

Electrical connection

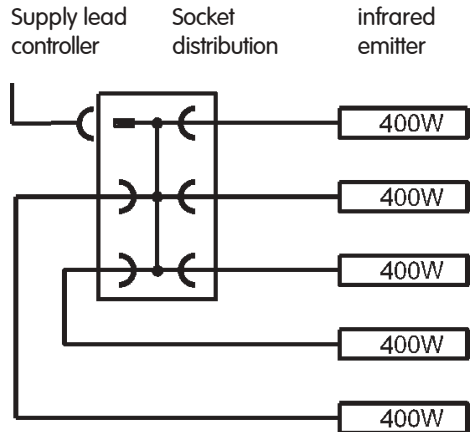


Fig. 8

An additional clamping distribution with order no. 94 2046 must be used for fitting 8 infrared emitters.

For assembly, the connection cables should be fed through blank tubes or protected from damage in other appropriate ways.

Caution:

If the connection cable of this appliance becomes damaged, it must be replaced by a special connection cable which can be obtained from the manufacturer or customer service department.

Note that the shifted connecting cables are to be secured if necessary by strain relief. For this e.g. kabelclips are suitable.

Attention!

Dear customer,

according to the valid regulations, the electrical connection of the sauna heater and the control box has to be carried out through the specialist of an authorized electric shop.

We would like to mention to the fact that in case of a warrenty claim, you are kindly requested to present a copy of the invoice of the executive electric shop.

DIN VDE 0100 Part 703 is to be observed when installing sauna heating appliances!

This standard makes the following statement valid in your newest expenditure, since February 2006, paragraph 703.412.05;Quotation:

The additional must be planned for all electric circuits of the Sauna by one or more fault current protection device (RCDs) with a calculation difference stream not more largely than 30 mA, excluded of it is Saunaheating.

The EN 60335-1 DIN VDE 0700 part 1 of January 2001 states the following in paragraph 13; quote:

The leakage current should not exceed the following values at the operating temperature:

- *in the case of stationary heating appliances of protection class 1 0.75 mA; or 0.75 mA per kW sizing survey of the appliance, depending on which value is greater, with a highest value of 5 mA.*

If, however, a dirty power protection device (FI protection switch) is to be installed, no further electrical receiving parties are to be fused via this FI protection switch.

With current technology, there is no need to use vapour-tight tubular radiators for sauna ovens. It is possible for the magnesium oxide filling of the radiator to draw some humidity from the ambient air through the vapour-diffused silicon cap, which in a small number of cases can lead to the FI protective switch being activated. This is a physical procedure rather than a manufacturing fault.

In this case, the oven must be heated up by a qualified specialist under supervision, disabling the protection function of the FI protection switch. After the humidity has been released by the heating elements after about 10 minutes, the FI protection switch can be switched on again.

If the sauna oven has not been used for some time, we recommend heating it up every 6 weeks or so to prevent the heating elements from accumulating humidity.

If the FI protection switch is activated during operation, the electrical installation must be checked again.

The electrical contractor is responsible for the proper connection of heating appliances, excluding the manufacturer from any liability!

Guarantee

The guarantee is taken over according to the legal regulations at present.

Manufacturer's warranty

- The period of warranty starts from the date of purchase and lasts up to 2years for commercial use and 3 years for private use.
- Always include the completed warranty certificate when returning equipment.
- The warranty expires for appliances which have been modified without manufacturer's explicit agreement.
- Damages caused by incorrect operation or handling through non-authorized persons are not covered under the terms of warranty.
- In the event of a claim, please indicate the serial number as well as the article code number and type name with expressive description of the fault.
- This warranty covers damaged parts but no defects due to wear and tear.

In case of complaint please return the equipment in its original packaging or other suitable packaging (caution: danger of transport damage) to our service department. Always include the completed warranty certificate when returning equipment.

Possible shipping costs arising from the transport to and from point of repair cannot be borne by us.

Outside of Germany please contact your specialist dealer in case of warranty claims. Direct warranty processing with our service department is in this case not possible.

Equipment start-up date:

Stamp and signature of the authorized electrician:

Service address:
EOS-Werke Günther GmbH
Adolf-Weiß-Str. 43
35759 Driedorf, Germany
tel +49 (0) 2775 82 240
fax +49 (0) 2775 82 455
servicecenter@eos-werke.de
www.eos-werke.de