EOS

Infratec Classic

GB **Assembly and operating instruction**

Made in Germany

$C\epsilon$

English

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Technical data

Voltage:	230 V N AC 50 Hz
Fusing:	1 x 16 A
Power intake :	max. 3500 W
Control range:	30 - 60° C
Control characteristics:	Digital, two-point control
Sensor system:	KTY sensor with safety temperature limiter 139° C
Heating time limitation:	1 - 99 Minutes
Ambient temperature:	-10 bis 40° C
Installation dimensions HxWxD:	139 x 194 x 49 mm

The delivery package includes the following components:

- accessory bag, including: 4 tension-plate screws 4 x 20 mm

- an oven-sensor board with overheat shutoff protection, KTY - sensors with sensor housing, two 3x25 mm fastening screws and a 3,0 m long sensor cable.

Dear Customer,

With this IR controller you have purchased a high quality electronic appliance developed and produced in conformance with the latest standards and quality guidelines.

Read these instructions carefully to familiarize yourself quickly and simply with the unit.

General Information

The IR controller is designed for a voltage of 230 V 50 Hz as a standard feature and requires a separate 16 A fuse.

Assembly and connection of the infrared equipment and other electric facilities must only be carried out by a qualified specialist; in this regard, VDE 0100 Part 703/2006-2 is to be complied.

Please read the following installation and operating instructions thoroughly to ensure malfunction-free operation of your IR controller.

General Safety Precautions

• Ensure that the electrical installation is accomplished only by an authorized electrician.

• Observe the regulations of our electrical power supply company as well as all applicable VDE regulations (DIN VDE 0100).

• Caution! Lethal Hazard: Never attempt to repair or install the unit yourself. Ensure that the housing cover is removed only by a trained employee.

• Use the unit only for the intended purpose for control of IR emitters.

• When installing or working on the system ensure that all poles are separated from the line power, i.e. switch off circuit breakers or main switch.

• Observe safety and installation instructions of the manufacturer.

• This device has not been designed for being used by persons (including children) that are physically or mentally handicapped or have sensory disabilities. Moreover, it is not allowed to use this device without sufficient experience and/or knowledge, unless these persons will be supervised by persons responsible for their security or in case they have been instructed how to use this device.

• Children are to be supervised in order to make sure that they do not play with this device.

Assembling the control unit

⚠️ **The control unit must not be assembled inside the IR cabin.**

- The control unit (ArtNo.: 94.4334) is preinstalled for plug-in electrical connection.

  - The control unit has the following connector cables:

    Power line to grounding type plug

    Connector cable for IR radiator

    Connector cable for cabin lighting

    Sensor line (red)

    Temperature limiter line (white)

  - The connector cable to the IR radiator is equipped with a plug part which is fed into the in the junction socket as a lead wire. From there you have 5 connection options for IR radiators.

- The control panel without wiring and cables (item no. 94.4388) is supplied not pre-mounted.

  The delivery includes:

  Sensor cable (red)

  Temperature limitation sensor cable (white)

  - Not included are (to be supplied, installed and connected at site):

    Power supply cable (mains)

    Connection cable for IR radiators

    Connection cable for light

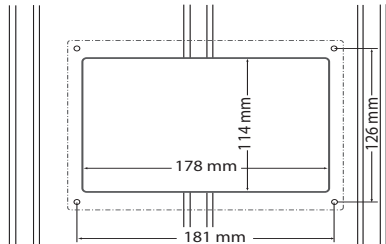   **All cables must be heat-resistant to at least 90°C**

- When more than one IR radiator should be installed, they should be connected via a separate distribution box (multiconnector). Only one cable may be connected to the control panel

- But make sure the maximum radiation output does not exceed 3.5 kW.

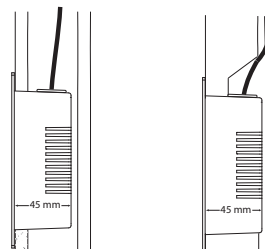- The connector cable for cabin lighting is connected to the cabin lighting in the cabin (max. 100W).

- First, suitably position the wall opening on the exterior of the cabin at eye level next to the door. The opening must be 178 mm wide and 114 mm high.
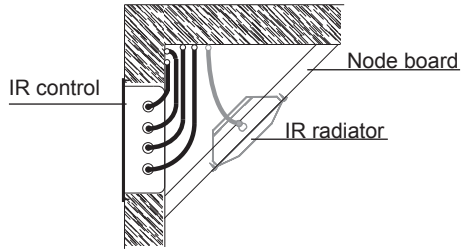
  The installation depth is 45 mm.

- Feed the connector cables through the space between the cabin wall and the ceiling.
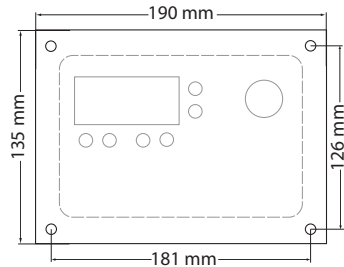
- If the cables cannot be laid inside the cabin wall they must be placed inside the cabin.

• Next, we suggest that the cable be laid behind a node board. If a IR radiator has also been installed in this node board, it must be located below the control unit.

Node board

IR control

IR radiator

• Next, insert the bottom of the unit into the prepared rectangular opening.

• Using the 4 included fastening screws, attach the housing to the cabin wall.

190 mm

135 mm

126 mm

181 mm

Electrical installations

⚠ **The electrical installation may be only carried out by a registered electrical contractor, while adhering to the directives of the local EVU and the VDE.**
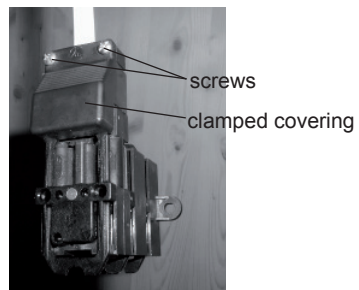
⚡ Because of the higher starting current has the unit to be fused by a 16A circuit breaker with K characteristic.

nstallation of the IR-Emitter

Mount the infrared emitter according to the mounting instructions.

• Unscrew the two screws of the clamped covering for connecting the control cable with the distributor block. Insert the plug into the distributor block and retighten the two screws.

The covering snaps over the circlips and avoids the accidentally disconnection of the joint.
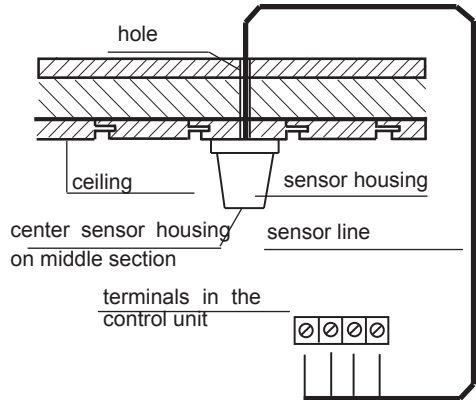

screws

clamped covering

⚠️ The Infratec Classic control units without pre-installed cables (item no. 94.4388) shall be connected only with the cable resistant to at least 90°C according to the given below connection diagram.

Assembling the sensor

1. The sensor is mounted at the center of the cabin on the ceiling above the bench.
2. Drill a hole to lead the cable through, preferably through the middle of one of the wooden boards.
3. Route the sensor lines through the drilled hole and connect.
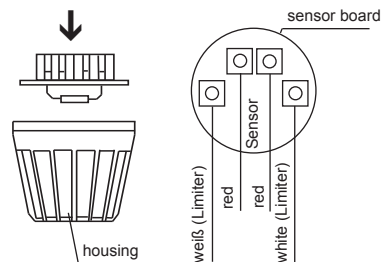
Installation of the booth lighting

• The connection cable is to be fed through the hole drilled beforehand, and is to be connected to the booth lighting.

• The booth lighting must always be mounted as far as possible from the positional spot of the infrared emitter, and may not be directly beamed on.

hole

ceiling | sensor housing

center sensor housing on middle section | sensor line
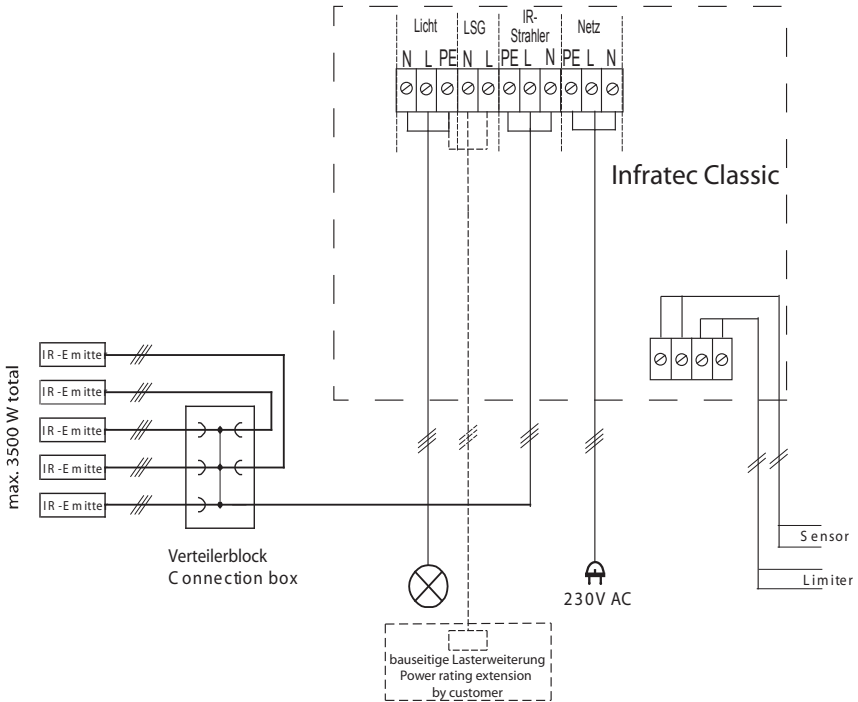
terminals in the control unit

4. Attach the lines for the limiter (white) and the temperature sensor (red) according to Illust. to the sensor board. Then insert the sensor board into the housing.

sensor board

housing

weiß (Limiter) | red | Sensor | red | white (Limiter)

5. After you are finished installing and have made sure the control unit is functioning properly, check the line for overheat shutoff protection for short circuits. To do this, release one of the white lines in the sensor housing. The control unit's safety relay should now fall, i.e. the heating circuit should now be interrupted.

Connection diagram

Licht | LSG | IR-Strahler | Netz

N L PE N L PE L N PE L N

Infratec Classic

max. 3500 W total

IR-Emitte
IR-Emitte
IR-Emitte
IR-Emitte
IR-Emitte

Verteilerblock
Connection box

230V AC

Sensor

Limiter

bauseitige Lasterweiterung
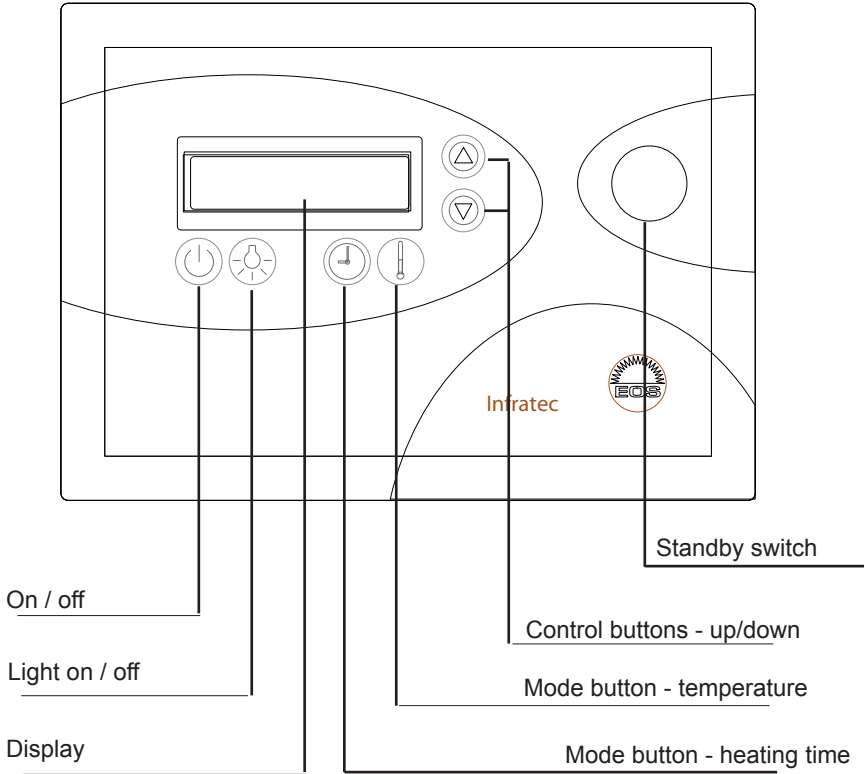Power rating extension
by customer

⚠ **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.

GB

Controls

Standby switch

On / off

Control buttons - up/down

Light on / off

Mode button - temperature

Display

Mode button - heating time

Setting the display language

The unit comes preset with German as the display language. To change the display language to English, first switch off the unit using the Standby switch. Then hold down the heating time and temperature mode buttons while switching the unit back on with the Standby switch. The display will now be in English.

To switch back to German display mode, follow the corresponding steps.

Starting the unit

Activate the Standby switch.

The unit displays a brief greeting and

Hello

enters Standby mode. The display displays the current temperature in the cabin.

ready   T: 28°C

Cabin lighting

To switch the cabin lighting on or off, activate the 🔅 button.

Switching on the IR radiator

To switch on the IR radiator, press the ⏻ -button.

The display indicates the current cabin temperature (T) and the remaining heating time (t) in MM: SS.

T: 35°C   t :45:11

Switching off the IR radiator

When the heating period ends, the unit automatically switches off the IR radiator and enters Standby mode.

To finish the IR bath sooner, activate the ⏻ button. The IR radiators are switched off and the unit enters Standby mode.

Setting the heating time

You can preset the heating time between 1-99 minutes with the control unit.

First, switch the unit to Standby mode.

Next, select the ⊙-button to switch to control mode.

Now set the desired heating time using the ▼ and ▲ buttons.

Finally, press the ⊙ -button again. The new setting is saved and the unit returns to Standby mode.

set time:	25 m

set time:	60 m

Setting the cabin temperature

Using the control unit you can preset the cabin temperature between 30° to 70°C.

First, select the ⊥-button to switch to control mode.

set temp:	30°C

Now set the desired temperature using the ▼ and ▲ buttons.

set temp:	45°C

Finally, press the ⊥ -button again.

Error indicators

If the sensor is defective, the message shown opposite appears in the display. Have the unit examined by a trained technician.

Reference value = approx. 2 k Ω at 20° C

Temperature sensor paused

sensor error

Temperature sensor short circuit

sensor short error

If the limiter is defective, the message shown opposite appears in the display. Have the unit examined by a trained technician.

Release temperature: 142° C

limiter error

WARRANTY

The warranty is provided according to the legal regulations at present.

Manufacturer's guarantee:

- The period of guarantee starts from the date of purchase and lasts up to 2 years by commercial use and 3 years by private use.

- Always include the completed guarantee certificate when returning equipment.

- The guarantee is void 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 guarantee.

- In the event of a claim please indicate the serial number as well as the item number and model name with detailed description of the fault.

- This guarantee covers defective parts and labour but not the defects caused by 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 overtaken 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 commissioning date:

Stamp and signature of the authorized electrician:

Please keep this address in a safe place together with the installation guide.

To help us answer your questions quickly and competently please provide the information printed on the type shield including the model, item no. and serial no., in all inquiries.

Handling procedures for return shipments (RMA) - Details for all returns !

Dear customer

we hope that you will rejoice in the ordered articles. Just in case that you are not entirely contented as an exeption, please follow the procedures specified below.This enabling us to ensure a quick and smooth handling of the return shipment.

Please absolutely respect for all returns!

• Please add the available **RMA-voucher** always **completely filled out** together with an **invoice copy** to the return shipment! Do not stick it on the goods or on the packaging. **We do not accept the return shipment without these papers.**

• Not prepaid parcels **will be refused** and returned to Sender! Please always ask for the **RMA-No**. for the cheapest return.

• **Please pay attention that** the goods have to be sent back **without visible marks of use** in the **original scope of delivery and in original packing.**

• We recommend to use an **additional solid and break-proof covering box** which should be padded out with styrofoam, paper or similar. Transport damages as a result of faulty packing are for the sender's account.

Form of complaint:

1) Transport damage	**2) Faulty goods**	**3) Problems of installation and functioning**
• Please check the content of your parcel immediately and advise the forwarding company of a claim (parcel service/ freight forwarder)	• The implied warrenty period is 2 years.Please contact your dealer in case of **faulty or wrong articles or missing accessories.** He will discuss with you the individual case and try for immediate and customer-friendly solution.	• Please **read the manual carefully first of all** and pay attention to the indicated assembly or installing instructions.
• Do not use damaged goods!	• For **economic returns** within Germany you will get an **RMA-number from the manufacturer.**	• **Your dealer should be the first contact person** because he knows his products best and also knows possible problems.
• Ask the forwarder **for a written acknowledgement of the damages.**	• All returns have to be in the **original packing of the goods with corresponding accessories.** Please repack the goods to avoid damages. In case of wrong delivery, please do not use this article !	• **In case of function problems with an article,** please check at first whether there is an obvious material defect. The quality system in our factory reduces malfunctions of new appliances to almost zero.
• **Report the claim promptly by phone to your dealer.** He will discuss with you how to act in this case.		.
• If the transport box has been damaged, please use an additional covering box. Do not forget to add the **acknowledgement of the damage of the forwarding company !**		