



BASIC Frame (with frame)
FB30 / FB60 / FB90/ FB120 / FB150



BASIC Elegant (frameless)
EB30 / EB60 / EB90 / EB120 / EB150



TECHNICAL PARAMETERS

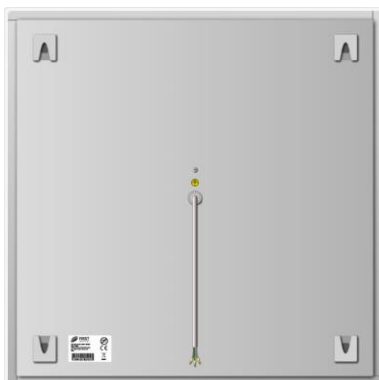
INFRARED ELECTRIC PANEL HEATERS – FIRST Heating Systems

	BASIC FRAME					BASIC Elegant				
Panel type	30	60	90	120	150	30	60	90	120	150
Length	296 mm	596 mm	896 mm	1196mm	1496mm	292 mm	592 mm	892 mm	1192mm	1492mm
Width	596 mm	596 mm	596 mm	596 mm	596 mm	592 mm	592 mm	592 mm	592 mm	592 mm
Height	35 mm	35 mm	35 mm	35 mm	35 mm	28 mm	28 mm	28 mm	28 mm	28 mm
Power	230 W	500 W	800 W	1000 W	1300 W	230 W	500 W	800 W	1000 W	1300 W
Current load	1,0 A	2,2 A	3,5 A	4,4 A	5,7 A	1,0 A	2,2 A	3,5 A	4,4 A	5,7 A
Weight	4,2 kg	7 kg	9,9 kg	12,7 kg	15,5 kg	4,2 kg	7 kg	9,9 kg	12,7 kg	15,5 kg
Surface temperature – front of panel	150°C	150°C	150°C	150°C	150°C	150°C	150°C	150°C	150°C	150°C
Surface temperature of the back cover at 220V-250V	75-90°C	75-90°C	75-90°C	75-90°C	75-90°C	75-90°C	75-90°C	75-90°C	75-90°C	75-90°C
Thermal regulation	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Voltage	230 V AC					230 V AC				
Frequency	50-60 Hz					50-60 Hz				
Fuse	Fuse for overheat protection.					Fuse for overheat protection.				
Power cable	With silicone insulation, white, 3 × 1, length 2m, terminated with plug					With silicone insulation, white, 3 × 1, length 2m, terminated with plug				
Glass	Tempered safety glass, float, 4mm					Tempered safety glass, float, 4mm				
Glass with print	Tempered safety glass, float, 4mm, ESG, ceramic print, resistant to scratches and humid environments.					Tempered safety glass, float, 4mm, ESG, ceramic print, resistant to scratches and humid environments.				
Frame	Aluminium profile					Frameless				
Back cover	Aluminium flat sheet					Aluminium flat sheet				
Certification	EMC-B-00600-19 LVD-B-00599-19 Examination report 31-10302/IP Final report 31-10302/EZ					EMC-B-00600-19 LVD-B-00599-19 Examination report 31-10302/IP Final report 31-10302/EZ				
IP Rating	IP 54					IP 54				
Installation	Ceiling, wall					Ceiling, wall				
Warranty	5 years					5 years				

RECOMMENDATION FOR HEATING POWER CONTROL:

For effective control of heating power and room temperature, it is necessary that this panel be supplemented with a temperature controller / thermostat (see Accessories) or other equipment on the market that allows control of the heating element output.

PACKAGE CONTENTS:

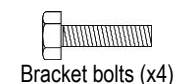


Heat panel

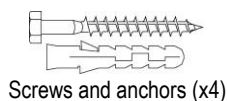


Installation brackets (x4)

+ wrench



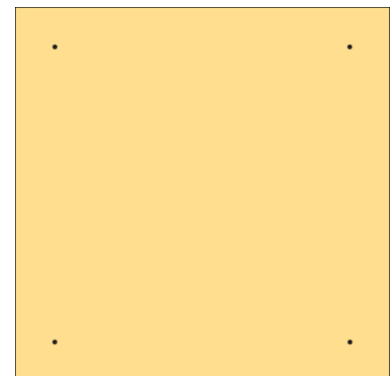
Bracket bolts (x4)



Screws and anchors (x4)



Washers (x4)

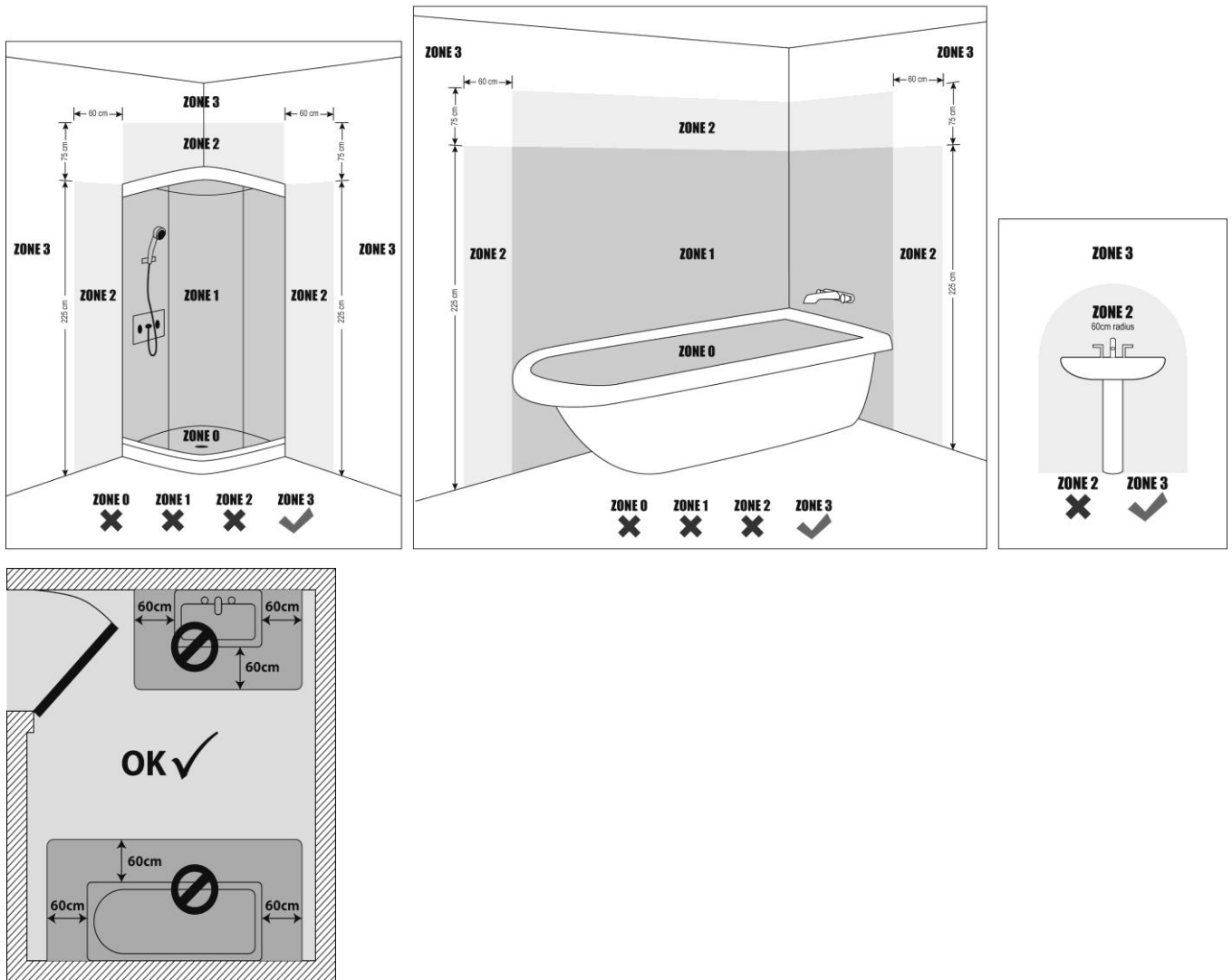


Installation template

Panel placement:

The heating panel can be used in bathrooms at **ZONE 3** (see picture below). In any case, make sure that the socket to which you connect the panel is equipped with a circuit breaker.

The panel heats with infrared waves, so it is not recommended to install it behind furniture or other obstacles, as this could reduce its performance and also endanger safety. The heating panel should be placed so that it is at approximately the same distance from all persons in the room so that the heating will be pleasant for everyone.



Panel installation instructions:

- Step 1:** Choose the ideal place.
- Step 2:** Make sure that all packing materials have been removed.
- Step 3:** The installation kit is included in the package. Make sure it is securely attached. The package includes anchors for concrete or masonry. For other types such as plasterboard, etc., it is necessary to consult a professional company for the correct selection of anchors.
- Step 4:** Before drilling into the ceiling or wall, make sure that there are no electrical cables, gas or water lines, or other obstacles in the area that could be damaged.
- Step 5:** Place the template on the ceiling or wall with adhesive tape. Level the template with a spirit level. Mark the positions of the screw holes on the ceiling or wall with a pencil.
- Step 6:** Using a drill, drill the holes with a drill bit suitable for the type of ceiling or wall. For concrete or brick ceilings, use an 10 mm diameter drill bit.
- Step 7:** Insert the anchors into the holes and screw in the screws with washer so that they protrude approximately 1 cm from the ceiling or wall.
- Step 8:** Attach the included brackets to the back of the panel using the included screw.
- Step 9:** Hang the panel with the brackets on the screws in the ceiling or wall and tighten the screws with the enclosed wrench.
- Step 10:** Clean the front glass panel as recommended below.
- Step 11:** Insert the panel plug into an electrical outlet.

At the end customer's request, we will supply panels with bootlace crimp ferrules. **We recommend installation by a professional company! The manufacturer FIRST Heating Systems is only liable for installations performed by a First Heating Systems service technician.**

MAINTENANCE / CLEANING for the front of the panel:

BASIC panels with black or white glass - we recommend using common soap cleaners when the surface is dirty. In case of greasing or significant soiling, you can use alcohol and clean it with a soft cloth. Never use abrasive cleaners!

BASIC panels with printed glass - we recommend gently cleaning only with a damp soft cloth and wiping thoroughly. Never use abrasive cleaners!

SAFETY INSTRUCTIONS:

- FIRST BASIC heating panels are designed for wall and ceiling installation.
- Each panel is equipped with a set of special brackets that, when used properly, provide a secure installation.
- The appliance is safe to touch and will not cause burns from very quick contact with the heated glass. Prolonged contact with the heated glass can cause injury.
- Small children should not be left unattended near the heating panel, as prolonged contact with the heated panel may cause injury.
- The appliance is suitable for use in the bathroom. However, direct contact with water must always be avoided (see heating panel installation).
- If any object or liquid enters the panel, unplug the panel immediately and have it checked by a qualified First Heating Systems service technician before using it again.
- The appliance is equipped with a silicone power cable with grounding, which must be used with standard earthed sockets. If the power cord or the appliance is damaged, contact FIRST Heating Systems as it must be repaired by a specialist.
- **DO NOT disassemble the appliance. Disassembly will void the warranty.** Disassembly and reassembly must not be performed outside the factory or a specialized service center.
- TO REDUCE RISK OF ELECTRIC SHOCK, always unplug the power cord if a fault is detected, or if the panel needs to be moved.
- PROTECTION AGAINST OVERHEATING AND FIRE HAZARD: The front glass panel can reach a surface temperature of up to 150°C. Do not place flammable substances or objects in front of the panel. The surface temperature of the back cover at 220V-250V reaches 75-90 ° C. For installation and electrical installation in plasterboard, etc., seek an electrician or specialist.
- Installation on flammable materials is prohibited.
- CLEANING: ALWAYS disconnect the panel from the power supply before cleaning; never clean it when it is connected to the power supply.



- **WARNING:** To prevent the panel from overheating, do not cover the heating panel with anything!

FOR FIRST USE:

- If you notice an odor after turning it on, it is likely that the new heating element is heating up. If the odor persists after 1 hour of operation, turn off the panel, locate and remove the odor source. If the odor persists for 2 days, contact your dealer.
- The panel **MUST NEVER** be placed directly under an electrical socket! Position the panel so that the power cord plug is next to the panel.
- The panel **MUST NEVER BE USED** if the glass is damaged! If the glass is damaged, contact your dealer.
- **FIRST panels are designed to withstand a slight overvoltage of 220 - 250V, depending on the area where they are used. Before use, make sure that the panel you are installing is suitable for your area.** If this is not the case, do not plug the appliance into an electrical outlet and contact your supplier. If the panel is plugged into an outlet with the wrong voltage or the voltage fluctuations exceed the above range, the warranty of FIRST Heating Systems does not cover such damage.

EcoDesign Directive - Regulation (EU) 2015/1188

According to EU Regulation 2015/1188 on the Ecodesign Directive 2009/125/EC, regarding the installation and operation of appliances for heating closed spaces. The heaters must be equipped with an external suitable thermostat (not part of the heating appliance) fulfilling the functions - room temperature control, weekly timer, room temperature control with open window detection and/or adaptive start control. They are characterized by high efficiency in combination with maximum emphasis on energy saving. In case of operating appliances (infra-heaters) for heating of enclosed spaces without suitable thermostat, potential complaints may not be taken into account.

Recommended thermostats by the producer you can find on the website: <https://firstheatingsystems.com/accessories/>



Manufacturer warranty service and post-warranty service:
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