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ELSTEIN

IRE-070.11E

ELSTEIN FSR PANEL RADIATORS

Elstein FSR panel radiators are ceramic infrared radiators, which are designed for operating temperatures up to 720 °C. Surface ratings of up to 64 kW/m² can be installed.
FSR series radiators are made using a full-pour casting ceramic process and are characterised by their concave design. Due to the design of this type, there is a space between the radiator and mounting plate, which reduces the heat absorbed by the wiring space.
FSR panel radiators can be used universally and are suitable for assembling radiation areas with any geometry required. They are available in three designs and cover the power range from 60 W to 1000 W.
With its FSR panel radiators, the company Elstein-Werk has been setting design, type, power and quality standards, recognised worldwide since 1952, for ceramic infrared panel radiators

Type, weight, wattage	**FSR**	**245 x 60 mm.**	**150**	**250**	**400**	**650**	**1000**	**W**
	FSR/2	**122 x 60 mm.**		**125**	**200**	**325**	**500**	**W**
Operating voltage 230 V	**FSR/4**	**60 x 60 mm.**		**60**	**100**	**200**	**250**	**W**
Surface rating			9	15	24	39	60	**kW**
Typical operating temperature			250	400	500	620	730	**° C**
Maximum permissible temperature			300	550	600	700	750	**° C**
Wavelength range			2 - 10					**µm**

Standard design	**Thermocouple radiators**	**Variants**
Operating voltage 230 V Ceramic full-pour casting Leads 85 mm Elstein standard socket Mounting set	Designation T-FSR, T-FSR/2, T-FSR/4 Integrated thermocouple Type K (NiCr-Ni) TC leads 100 mm	Special wattages Special voltages Extended leads Leads with ring terminals

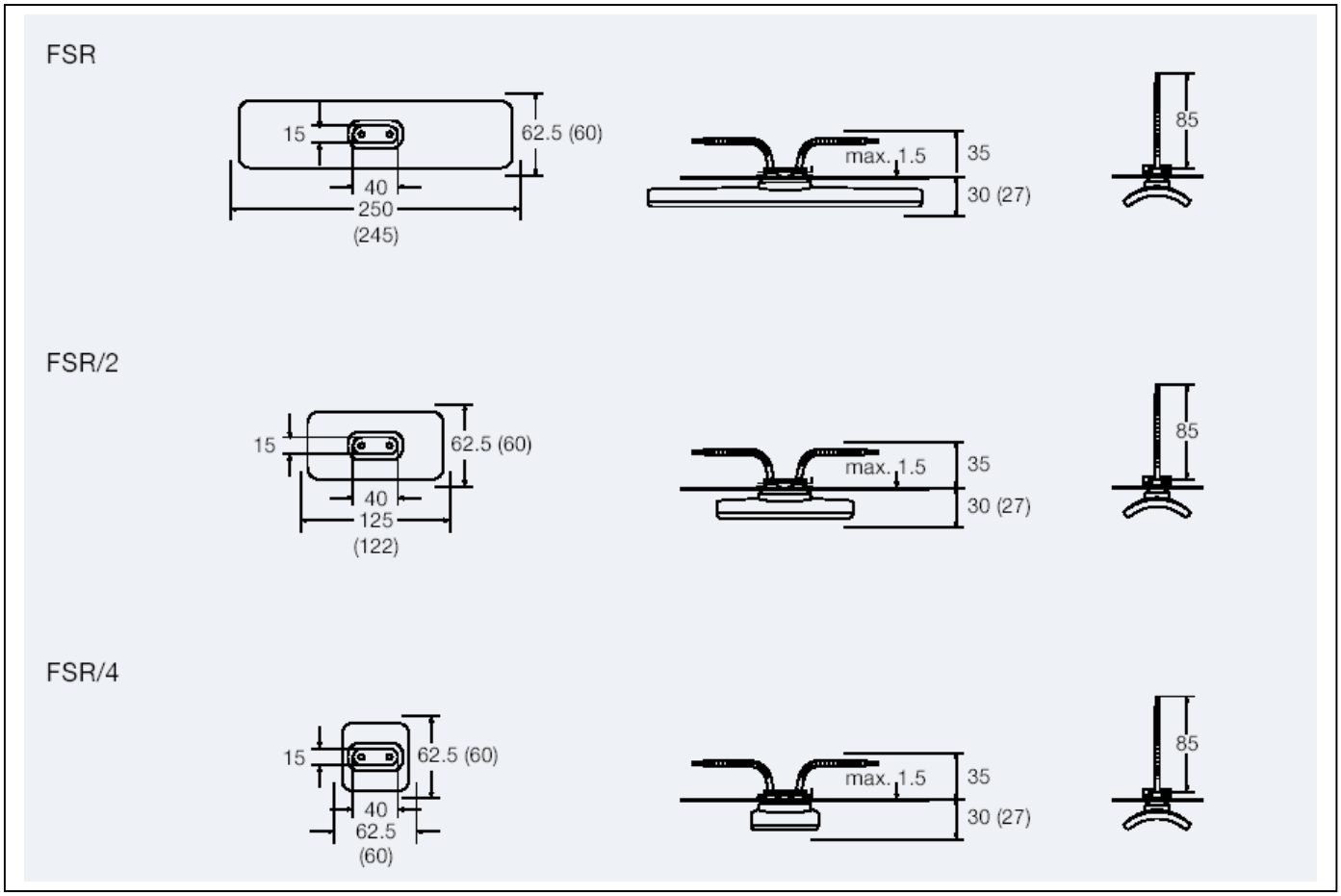
The power can be controlled using thermocouple radiators together with TRD 1 temperature controllers, TSE thyristor switching units and other accessories.

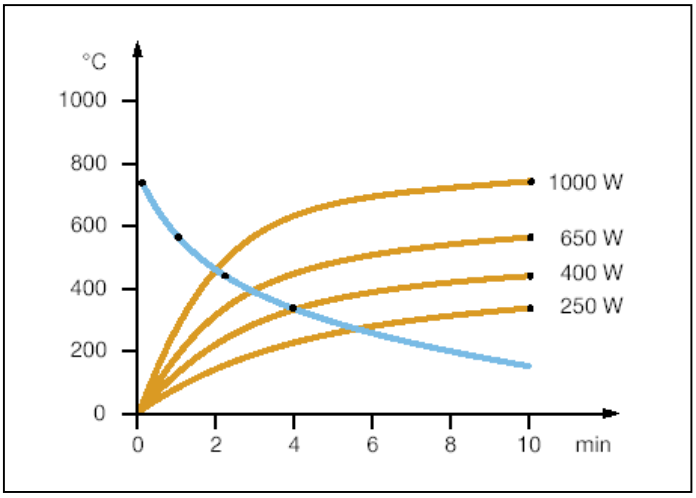
IR radiation areas can be assembled using REO reflectors, REF construction sets, EBF construction elements and MBO mounting sheets.

The national safety regulations must be complied with for the respective application, for example, the IEC or EN standard 60519-1, Safety in electrical heating installations.

Further information and safety information are given in this document and in the mounting instruction enclosed with each radiator

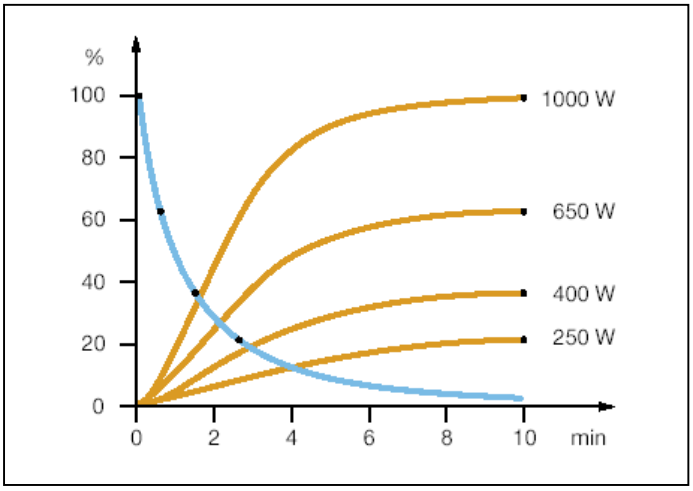
Mounting dimensions and radiator dimensions ( ) in mm





Radiator temperatures

Heating-up: red curves
Cooling-down: blue curve



Radiant powers

Heating-up: red curves
Cooling-down: blue curve