

Heater Control and Safety Unit



front view



back view

KEY FEATURES

- complete solution for controlling EBZ heaters, evaporators and other electrical heated components
- controllable via buttons of the temperature controller or via digital interface
- solutions for single- and three-phase-current up to 6.5 kW electrical power of gas-heaters and evaporators
- fast and precise temperature controlling up to 1 K accuracy
- thermocouples and PT-100 sensors are supported
- pre-alarm of controlling thermocouple on request
- independent threshold monitoring for safety shutdown
- safety I/O for external monitoring and external forced shutdown
- free programmable control parameters
- equipped with RCD and fuses
- CE certification

TECHNICAL DATA

parameter	value	unit	notes
supply voltage	230 / 400	VAC	single-phase / three-phase current
maximum power	6.5	kW	
controllable temperature	≤ 950	°C	
controlled temperature accuracy	± 1	K	static condition
operating temperature range	0...40	°C	
residual circuit breaker	≤ 30	mA	additional safety for life and limb
safety class	I		equipped with protective earth connector
controller types			P, I, PI, PD, PID with autotuning functionality
sensor types			J, K, N, PT-100, others on request

