

Eastbrook

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PTC Electric Heater equipped with Water Regulation Bimetallic Thermostat for Towel Rails (Controlled Heating Element)



Field of Application: Domestic heating (bathroom) by means of electric power

The following specifications are referred to the Controlled Heating Element as a finished product.

TECHNICAL DETAILS

Electrical / Environmental	
Voltage	≈230V ±10% - 50Hz
Nominal Powers	150W – 300W – 500W - 600W – 800W
Power Tolerance	±35%
Insulation Class	Class I
Type of actuator (regulator)	Capillary thermostat 16A 250V AC 100.000 cycles
Heating Element	PTC heater
Operating ambient temperature	0°C ÷ 50°C
Storage temperature	-20°C ÷ 80°C
Max Humidity Level	85% at 25°C (without condensation)

Water Temperature Regulation Performance	
Type of Regulation	ON / OFF (towel rail water temperature regulation) Electromechanical switch - bimetallic thermostat
Water Temperature setting range	10°C ±6K - 64°C ±4K (270° knob rotation angle)
Switching differential	≈ 7K

User Interfaces	
Local Interface	Knob symbols/scale: numbers (1-9) Led ON indicates that the heating element is working (warming) Led color: Blue

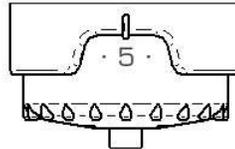
Plastic Enclosure	
Material	Blend (ABS + PC) - V0
Finishing	White RAL 9016 – glossy finish Chromed (metalized) – glossy finish
Enclosure degree of protection	IPX4
Plastic enclosure size	Bounding Box: 87x53x88
Mechanical Construction	The heating element is completely integrated into the plastic box which contains the Water Regulation Thermostat. It is not possible to disassemble the heater from the plastic enclosure

Cable and Supply Connection	
	The appliance is intended to be permanently connected to domestic power supply. Important: The presence of an omnipolar switch from the power supply is required and must be incorporated into the fixed wiring. The omnipolar switches must be directly connected to the power supply terminals and must have a contact distance of at least 3 mm in each pole. Check that the electricity supply system is connected through an MCB (Magnetothermic Circuit Break) and RCCB (residual current circuit breaker) devices.
Cable Type and section	PVC H05VV-F / G3x0.75mm ²
Cable Length	900mm of white sleeve + 50mm end stripped part
Plug	No Plug

Reference Directives and Standards	
Applicable Directives	
Environment	2011/65/CE RoHs II Directive
LVD	2006/95/CE Low Voltage Directive - Safety
EMC	2004/108/CE EMC Directive
Standards	
Safety	
Electrical Safety	CEI EN 60335-1
	CEI EN 60335-2-43
	CEI EN 60335-2-30
EMF	EN 62233
IP Degree (enclosure)	CEI EN 60529 protection provided by the enclosure
EMC	
	EN 61000-3-2
	EN 61000-3-3 CAT. I Single phase Product
	CEI EN 55014-1
	CEI EN 55014-2

PRODUCT OPERATING MODE

PAD PRINTING



9 · 8 · 7 · 6 · 5 · 4 · 3 · 2 · 1

The Device is always in regulating mode
To modify the Water Temperature set point, rotate the knob

The Heating Element is energized if the water temperature is less than the set point of the water regulation thermostat.

Led ON indicates that the heating element is working (warming)