

1.01.04 Immersion heater with electronic control



>> Description

Immersion heater and terminal box with electronic setting of desired temperature and hysteresis with an exact control via NTC. The display of the box shows current temperature and with a flashing lamp, operating status of the elements are shown.

The terminal box offers a possibility for external control via e.g. a thermostat placed in the surroundings or via a central control unit. There is also a possibility to add specific operating alternatives and delayed power on/off. The box is also equipped with an integrated frost guard, which can be activated at need.

On request, the immersion heater can also be manufactured with galvanic insulated elements.



>> Technical specification

Dimension	90 x 90 x 123 mm
Power/Voltage	230 V 1~ alt. 400 V 3~ Up to 11300 W 3~ and 7360 W 1~
Connection	1 1/2", 2", 1 1/2" galvanic insulated elements, 1 1/4"
Protection class	IP44
Standard	Electrical heat protection and thermal fuse
Max. temp.	See diagram below
Safety	The elements meet requirements acc. to EN 60335-1

Mode	Operating area		Pol 1	Pol 2	Rekom. unit with Overheat prot.	11°C Frost prot.
	Min °C	Max °C	Hysteresis °C	Hysteresis °C		
0	X	X	5	5	all available	Y
1	10	85	7	7	1150734901 (106°C)	Y
2	10	70	7	7	1150734902 (92°C)	Y
3	10	50	7	7	1150734903 (70°C)	Y
4	10	85	4	6	1150734901 (106°C)	Y
5	10	50	4	6	1150734903 (70°C)	Y
6	10	85	5	5	1150734901 (106°C)	Y
7	10	50	5	5	1150734903 (70°C)	Y

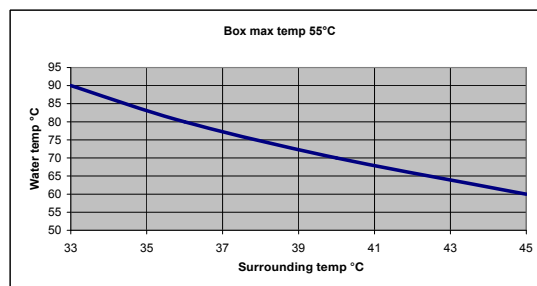
* 2-step power control

The box is delivered with 8 pre-programmed operating modes (see table above).

Electronic control

>> Fields of application

- Heating of fluids
- Electrical water boilers
- Accumulator tanks
- Under floor heating
- Process industry
- Train toilets



Accumulator tank

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