



701

Electronic Temperature Controller 701

Special Features

- In rail mounting enclosure
- Relay contact 10A switching capacity
- Big three-digit LCD indication
- Indication selectable for °C or °F
- Protected parameter level
- Sure data storage in case of power failure

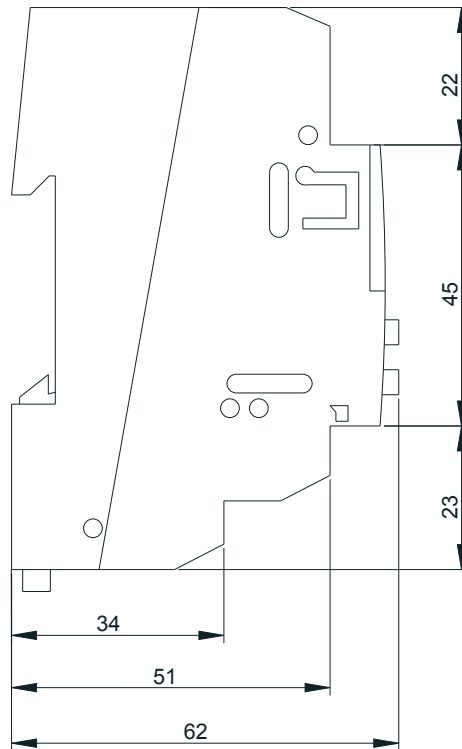
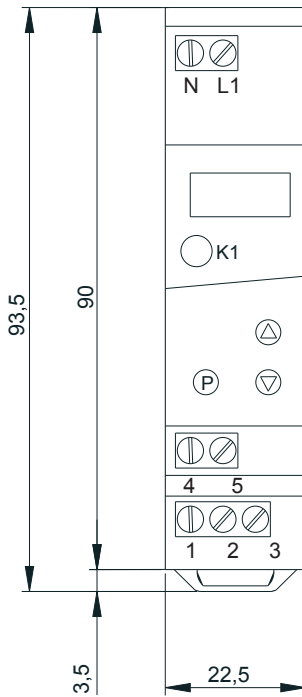
Application

The 701 two-step electronic temperature controller is especially designed for controlling of electrically heated sample lines series 3/4/5-N/M/H and PSP-4M (-W).

Description

The 701 two-step electronic temperature controller is mounted in a rail mounting housing. The temperature sensor input is developed for a two-wire PT-100 sensor and is equipped with a protection against short circuit and sensor breach.

The desired operating temperature can be set by using the respective keys. The actual value is indicated via three-digit display and the controller function via LED.



Terminals:

- L1 / N : Power IN
- 4 / 5 : PT100 IN
- 1 : Contact OUT NC
- 2 : Contact OUT MC
- 3 : Contact OUT NO

Technical Data

Temperature controller type	701 230V	701 115V
Part No.	01 B 8240	01 B 8240a
Temperature control range	adjustable in range -200 to +600°C, adjusted at works to 0 to +200°C	
Switching capacity	250VAC/10 A resistive load with relay contact	
Control mode	on-off controller	
Temperature sensor input	PT100 DIN; 2-conductor with sensor breakage status	
Ambient temperature	0 °C to +55 °C, for close-to-close mountage 0 - +40°C	
Storage temperature	-40 °C to +70 °C	
Switching hysteresis	adjusted at works to 5°C	
Accuracy of control	± 0,1% of final value	
Electrical connection	terminals 2,5 mm ²	
Power supply* / Power consumption	230V +/-10%, 50/60Hz, 2VA	115V 50/60Hz, 2VA
Housing version	rail mounting housing EN 50022	
International protection type	IP 20 EN60529	
Housing material	Polycarbonate	
Dimensions in mm	H90xW22,5xD62 mm	
Weight	110g	
Mounting position	any way you like	
Climatic resistance	≤ 75% rel. humidity average/year without occurrence of dew	
Electrical security	DIN EN 61010 part1 excess voltage category III, contamination level 2	
Electromagnetic compatibility	EN61326	
Interference transmission	class B	
Resistance to jamming	industrial requirement	
Indications	actual value, three-digit LCD, switching state relais via LED	

*galvanic separation to measuring input