Controller DC-10

Application

The electronic, micro-processed **Controller DC-10** serves for temperature control of the heated sample lines **PSG Extruded**, **PSG Plus Extruded**, **PSG Basic Flex** and **PSG Plus Extruded Hybrid**. Also, for heating sleeves and heated wall ducts the controller is applicable.

Technology

The **Controller DC-10** is a PID-controller that can be parameterized in different levels for the individual needs of the respective devices. The controller can be operated from 110VAC up to 230VAC and 50Hz to 60Hz. The solid-state relay is already integrated and has 10A switching capacity. Controller is suitable for mobile use or wall mounting using the included mounting-plate.

Functions

The temperature-sensor input of the **Controller DC-10** can be used, depending on the version, with a PT100, a Type J or a Type K sensor. The set value and the process value are permanently indicated by a two-color display. The controller has an output for L (load) and N (load) for direct connection to the heater. It comes factory assembled with a 6-pole Amphenol© plug type "Ecomate". Red and green LEDs indicate the status of the output relay and if there are any errors. The set-points and parameters determining the process are adjusted by a 4-field foil keyboard.

✔ Parameterizable PID temperature controller with integrated SSR

✔ Robust aluminum housing

✔ It can be operated from 110VAC up to 230VAC

✔ Clear, two-colored display for set- and process-value

✔ 3 LED status display

✔ Available as version for PT100, Type K or Type J temperature sensor

✔ Wall mounting or mobile use possible

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Technical Data

Controller ST49				
Part no.		50078822	50078821	50078820
Execution		Temperature controller		
Ambient temperature	°C	-10 … +35		
Design				
Dimensions	mm	130 x 90 x 70		
Weight	g	800		
Mounting		Mobile use or wall mounting		
Temperature sensor		PT100	Type J	Type K
Outputs		L (load) and N (load) for one heater		
Power supply	V	110 VAC to 230 VAC, 50/60 Hz		
Housing / protection class		Aluminium housing / IP65		
Temperature range	°C	0 … +500	0 … +800	-100 … +1300
Control accuracy	°C	± 0,3%		
Max. continuous current	A	10		
Display		4-digit two-colored LED-display and 3 LEDs		
Electr. connection		Power cable with CEE connector (IP44)		