

Microprocessor Temperature Controller

MP-988



Features

Self-optimizing feature allows a very high regulating accuracy even at high temperatures.

Adheres to the set temperature independently of the consumer

Can be adjusted to indicated °C or °F.

It contains analogue and digital steering inputs and analogue output
Different functions can be assigned.

Power consumers can be steered via 5 relay outputs

Various interfaces ensure communication to superior settings

Operating Elements

Term	Function
Set Value Indication	Set temperature, required temperature
Actual Value Indication	Actual temperature, measured, effective temperature
Flow Rate Indication	Display in litres/min (British) or gallons/min (American)
Temperature Adjustment	Raise / Reduce of set value
Programming	Press 3 seconds (Program Steps 100 - 791)
Flow Control / Backward	
Monitoring (LED Green)	Flow control active
Alarm (LED Red)	Alarm flow control
Cooling ON	Lights up when the cooling relay is activated
Heating ON	Lights up when the heating relay is activated
Sensor Failure	Lights up when the sensor is not connected correctly or the wrong type of sensor is used
Temperature Deviation Control	Lights up when the difference between set and actual temperature is too high. Factory set $\pm 5^{\circ}\text{C}$ ($\pm 9^{\circ}\text{C}$)
Maximum Temperature	Lights up, when the maximum temperature has been reached. (Model Dependant)
External Temperature Control	Lights up when the set point is adjusted from external by putting on current / voltage.

Communication Interfaces

MP-988 contains four different types of interfaces.

- RS-232
- RS-485
- Current loop 20mA oder TTY
- CAN-bus

Interface	Manufacturer
CL 20mA Halbduplex	Arburg / Engel / Demag / Krauss Maffei MC-4 & MC-5 / Stork / Battenfeld - Uniloc B4
RS-232	Demag / DrBoy / Engel (Rosendahl) / Ferromatik / Stork / Werk
RS-485	Bühler / DrBoy / Engel / Frech / Itaipresse / Müller Weingarten / Billion / Euromap 17 / Fancu / Husky
CAN-bus	Demag / Neststal Euromap 66

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