

## Control & monitoring

### Microprocessor-controlled devices

#### Controller Type WRW00120



#### Advantages

- Screw terminal connected controller
- Configurable input
  - Pt 100
  - Thermocouple
- Quick and easy to operate

#### Areas of application

- Industry
- Plant engineering
- Trace heating systems
- Petrochemical industry
- Chemical technology
- Machine construction industry
- All applications requiring a precise, high-quality temperature controller

#### Description

A modern microprocessor-based (PIC) control device featuring 4 membrane buttons and a digital display. The clear design of the operator control level facilitates fast and reliable adjustment.

After removing the lower front panel cover and exposing the terminals, the consumer unit can easily be connected.

#### Technical data

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Nominal switching capacity	: 2300 W
Nominal voltage	: 230 V
Nominal frequency	: 50 Hz
Nominal current	: 10 A ohmic load

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Switching output	: Relay 10 A
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Sensor types		
Pt 100	: Pt 100	0...600 °C
Thermocouple	: NiCr-Ni (Type K)	0...999 °C
	: Fe-CuNi (Type J)	0...600 °C

Installation note: sensor wires must be screened.

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Accuracy class	: 1
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Display elements	: 4-digit, 7-segment display (LED) with 3-digit temperature display in °C (normal operation) as well as display of parameters and entry values during operator mode.	
	Yellow LED for indicating the operating state Red/green LED for signalling the temperature	
Option	: Signal relay 6A (changeover contact)	
Functions	: Two-position controller as P controller Two-position controller as PID controller Thermal cut-out (permanent disconnection) Selector mode Temperature controller with setting of output percentage Standby mode	
Possible settings	: Setpoint value corresponding to sensor type Signal threshold for insufficient temperature 0...30 K Signal threshold for overtemperature 0...30 K Setpoint limits (upper and lower) Line compensation/zero point correction Sensor break response Preselection of output percentage 0...99 %	
Safety class	: I	
Protection standard	: IP 54	
Mains connection	: Screw terminals	
Consumer unit and sensor connection	: Screw terminals	
Housing dimensions	: 125 x 125 x 75 mm (w x h x d)	
Housing material	: Polycarbonate, glass-fibre reinforced (grey)	
bottom	: Polycarbonate, filler-free (transparent)	
top	Self-extinguishing housing material according to ASTM-D635	

##### Ordering data

Temperature range	Type
selectable	WRA 1/120