



winkler



Safety ↑
timer function
Energy ↓

TEMPERATURE CONTROL UNIT FOR WALL MOUNTING WRW-200 SERIES

2013-05

TEMPERATURE CONTROL UNIT FOR WALL MOUNTING WRW-200 SERIES

Applications:

For simple control of electrical heating systems. Temperature controller or temperature controller/limiter combination

push, turn and smile



Standard equipment

- Robust housing with separate terminal cover and transparent hinge cover IP 54
- Universal power supply 90 ... 250 V, 50 ... 60 Hz
- LCD graphic display with polychrome background lighting
- Single button operation (incremental encoder)
- Text-prompted menu navigation
- Low-wear relay in hybrid circuit 10 A / 16 A
- **Timer function with buffered real-time clock**
- PID control with self-optimisation or thermostat function
- Operating hours meter

Suitable for all heating systems with type Pt100, Pt1000 sensors, type K and type J thermocouples

Communication module option

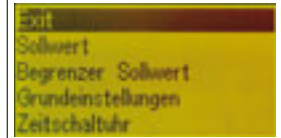
Can be used in process documentation

- 2 inputs / 3 outputs incl. 1 x additional screw connection
- Logic input for start/stop, remote reset, configurable setpoint switchover
- Analog input 4...20 mA for external setpoint default
- Analog output 4...20 mA as actual value output
- Floating signal contact (configurable general fault signal)
- Control output 0/12 VDC for external SSR

Display examples



Operation aid



Selection

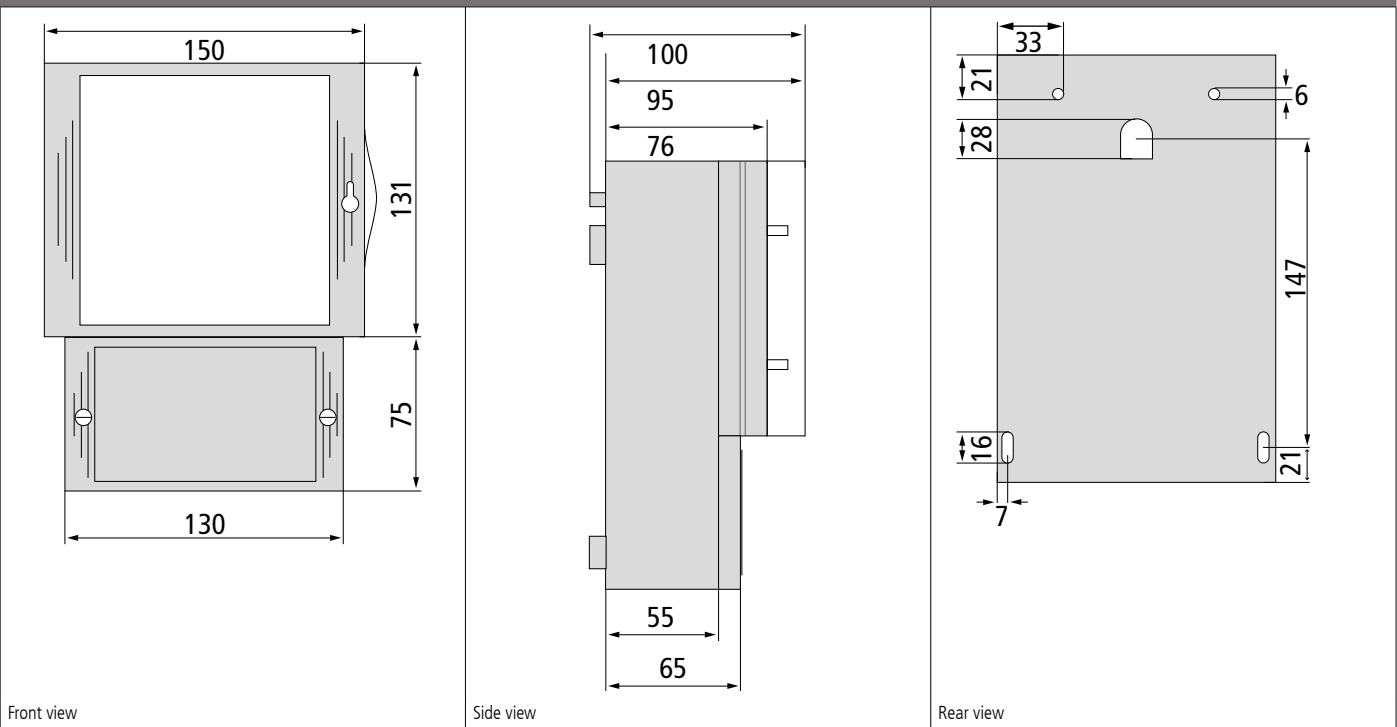


Standard operation



Over heat Display

Dimensions



Front view







Side view

Rear view





Technical Data	
Rated voltage	90...250 V
Switching output	10 A relay (low-wear hybrid circuit) 16 A relay (low-wear hybrid circuit)
Internal fuse	T 10 A / 250 V (16 A version without fuse)
Sensor types	Pt100 / Pt1000 / type J and type K thermocouples
Setpoint range	-100...1000 °C
Display	Monochrome LCD graphic display 64 × 128 pixel
Functions (depending on version)	Two-step controller with thermostat function Two-step controller (PID controller) <i>Temperature controller/limiter combination</i>
Housing	ABS light grey, transparent cover
Dimensions	H 206 × W 150 × D 100 mm

Technical Data	
Protection standard	IP 54 (splashproof and dust protected) when transparent cover is closed correctly
Ambient temperature	0...50 °C
Mains connection	1.5 m mains cable with "Schuko" plug (CEE 7/7)
Heating circuit connection	depending on version
Communication module (option)	<ul style="list-style-type: none"> · "Logic input for start/stop, remote reset, configurable setpoint switchover · Analog input 4...20 mA (setpoint value) · Analog output 4...20 mA (actual value) · Signal contact (e.g. configurable as general fault signal) · Control output 0/12 VDC for external SSR"
Weight	· 1,6 kg

Versions and article numbers

10 A Units		16 A Units		20 A Units	
Controller 10 A Terminal connections WRW00220-UNIXW000 Selectable sensor	Controller 10 A 6+PE plug-in solution WRW00210-UNIPM000 (for Pt100 or Pt1000) WRW00210-UNIKJ000 (for TE* type K or type J)	Controller 16 A Terminal connections WRW00223-UNIXW000 Selectable sensor	Controller 16 A 4+PE plug-in solution WRW00213-UNIPM000 (for Pt100 or Pt1000) WRW00213-UNIKJ000 (for TE* type K or type J)		Controller 20 A ready for connection 4+PE WRW00214-UNIPM000 (for Pt100 or Pt1000) WRW00214-UNIKJ000 (for TE* type K or type J)
Controller/Limiter 10 A Terminal connections WRWB0220-UNIWW000 2 selectable sensor	Controllers/Limiter 10 A 6+PE plug-in solution WRWB0210-UNIZP000 (for 2x Pt100 or Pt1000) WRWB0210-UNIZK000 (for 2x TE* type K or type J)	Controller/Limiter 16 A Terminal connections WRWB0223-UNIWW000 2 selectable sensor		Controller/Limiter 16 A plug-in solution 10 pol. WRWB0213-UNIZP000 (for 2x Pt100 or Pt1000) WRWB0213-UNIZK000 (for 2x TE* type K or type J)	
					
* Thermocouple					
Communication module option code „-UNIXW00K“					

Accessories

WRZ200KG (yellow) WRZ200KR (red) Labelling of terminal cover with sticker (10 × 6 cm) on customer request Colour: yellow or red	WRZ200P Stainless steel fixing plate with 2 stainless steel bands and locks → for fixing to pipes, etc	WRZ200BA Stainless steel fixing plate on small stainless steel pipe bracket → for floor set-up	WRZ00226 External SSR module for DIN rail mounting → for wear-free actuation of heating circuits up to 600 V / 30 A
			

Winkler GmbH – who we are and what distinguishes us

Our work not only centres on the product itself, but also on developing complete solutions. It is with this belief in mind that our employees plan and manufacture electrical heating devices - adapted precisely to your requirements as a customer. **Your temperature problem is our inspiration.** Our resourceful developers and skilled manufacturing specialists do everything within their power to make your enquiry into a Winkler heating solution. This way we can respond flexibly and quickly deliver you a ready-for-connection result from a single source. We're proud of that!

There is not only enthusiasm for innovation in our 60 employees' heads, but also comprehensive knowledge from a wide range of technologies. We have continuously transferred the experience gained since the company's foundation in 1979 into new product and application areas, such as explosion protection. This versatility allows us to supply **customers in industry, in the laboratory and in railway technology** – worldwide. But no matter where: We are in close contact with every customer. Because the better we fulfil your requirements, the more convincing the results. And that is what matters for us!



Our headquarter



Our production site in Walldorf

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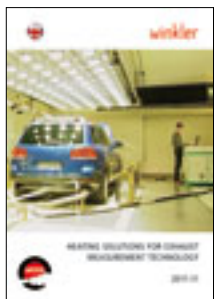
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Our product range



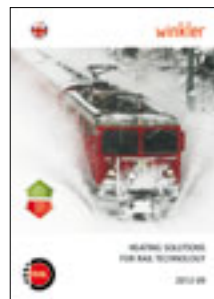
Heating solutions for exhaust measurement technology



Heating solutions for process and environmental measurement



Heated hoses for glueing technology and for filling and dosing systems



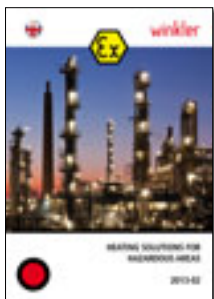
Heating solutions for rail technology



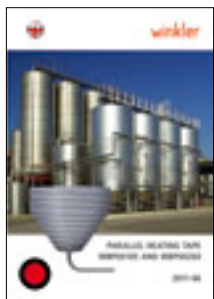
Heating solutions for chemical and thermal process engineering



Flexible thermal insulation made of silicone



Heating solutions for hazardous areas



Parallel heating tapes



PILZ® Laboratory heaters



Drum and IBC heaters



Silicone heaters and heating foils

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