



RE71 TEMPERATURE CONTROLLER

EXTERNAL FEATURES				
Weight	< 0.25 kg			
Dimensions	48 x 48 x 93 mm			
Protection grade (acc. to EN 60529)	ensured by the housing: IP65	from the terminal side: IP20		
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RATED OPERATING CONDITIONS				
Supply voltage	230 V a.c. ± 10%, 50/60Hz	power consumption: < 4 VA		
Temperature	ambient: 0 <u>23</u> 50°C	storage: -2070°C		
Relative humidity	≤ 85%	condensation inadmissible		
Operating position	any			
Preheating time	30 min			
Averaging time	≥ 0.33 s			

SAFETY AND COMPATIBILITY REQUIREMENTS			
Electromagnetic compatibility	Noise immunity	acc. to EN 61000-6-2	
	Noise emissions	acc. to EN 61000-6-4	
Isolation between circuits	basic		
Pollution grade	2	acc. to EN 61010-1	
Installation category	III		
Maximal phase-to-earth opera- ting voltage	for the supply circuit, outputs: 300 V		
	for input circuit: 50 V		
Altitude above sea level	< 2000 m		

CONNECTION DIAGRAMS

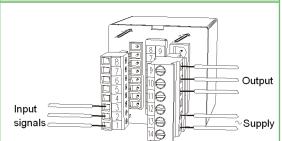
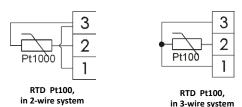


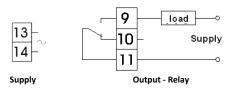
Fig. 1 View of the controller connection strips

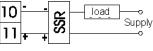




thermocouple

Fig. 2. Connections of input signals





Output – binary voltage for SSR control

Fig. 3. Connections of the supply and load circuit

ORDERING CODES: RE71 - XX Х Х Х х Input signal: RTD Pt100 (-50...100°C) 01 RTD Pt100 (0...250°C) 02 RTD Pt100 (0...600°C) 03 Thermocouple J (Fe-CuNi)(0...250°C) 04 Thermocouple J (Fe-CuNi)(0...600°C) 05 Thermocouple J (Fe-CuNi)(0...900°C) 06 Thermocouple K (NiCr-NiAl)(0...600°C) 07 Thermocouple K (NiCr-NiAl)(0...900°C) 08 Thermocouple K (NiCr-NiAl)(0...1300°C) 09 Thermocouple S (PtRh10-Pt)(0...1600°C) 10 Output: relay 1 binary 0/6 V for SSR control 2 Version: 00 standard custom-made* хх Language: Polish Ρ English Е other* Х Acceptance tests: without extra requirements 0 with a extra quality inspection certificate 1 acc. to customer's request* х * - after agreeing with the manufacturer

ORDERING

Order example:

The code **RE71 - 06 2 00 E 0** means:

- RE71 temperature controller of RE71 type
 - 06 input: TC J, (0...900°C)
 - 2 output: binary 0/6 V for SSR control
 - 00- standard version
 - E English language
 - 0 without extra requirements

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