JPXE4 and RGC Temperature Controller and Solid State Relays





- Digital temperature controller and Solid State Relay combination for all (very long) JCT heated sample lines
- For operation wit elevated safety requirements due to a limiter function with permanent shut down and status message
- Also universal applicable for temperature control
- · For PWM-heating applications

BENEFITS

- Long lifetime due to Solid State Relay instead of electro mechanic relais
- Excess temperature limiter with permanent shut down and low temperature alarm
- · Operating current of 100 VAC to 240 VAC
- · Self optimising (Autotuning)
- · Programmable status contacts
- · Easy installation and set up
- · High reliability
- · Robust compact design

FEATURES

- Ready for use combination of digital temperature controller JPXE4 and solid state relay
- RGC with up to 30 A switching capacity
- 4-digits LED indication of set point and actual value
- For Pt 100 and thermo couples
- JPXE4 for front panel mounting or optional for wall or rail mounting
- · Solid state relay RGC for rail mounting
- For single and 3 phase application
- · SSR with varistor protection output
- · Self-lifting terminals





Gas Sampling Probes

Heated Sample Lines

Sample Gas Coolers

Condensate Treatment

Accessories

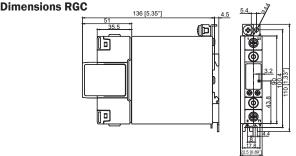
Gas Conditioning Systems

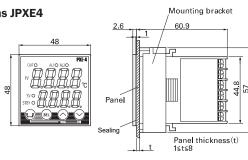
Sample Gas
Converters

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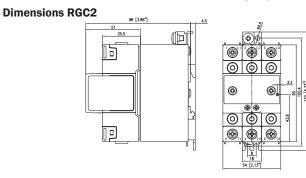
TECHNICAL DATA

Model	RGC	RGC2	JPXE4
Description	Universal temperature controller and solid state relay (30A) combination		
Order code	89.00500	89.00510	89.00102 pre-configuration 89.90000
	C	perating Data	
Ambient temperature	-40°C to +80°C (refer to derating curves)		-10°C to +50°C
Humidity	95 % RH (no condensation)		90 % RH (no condensation)
		Construction	
Installation	DIN rail mounting		front panel mounting
Weight	approx. 375 g	approx . 600 g	approx . 100 g
Protection class		IP 20 (EN 60529)	
Approvals	CE, UL, IEC, VDE, EAC, GL	CE, UL, IEC, VDE, EAC, CCCS	CE
		Electrics	
Power supply	42 to 600 VAC +10 % / -15 %, 45 to 65 Hz		100 to 240 VAC, 50/60 Hz +/-10 %
SSR / SSC driving output		ON: 10,2 to 15 VDC, OFF: max. current: max. 20 mA	0,5 VDC
Control voltage	4 to 32 VDC	5 to 32 VDC	
Control current	10 mA at 24 V	29,5 mA at 24 V	
Rated current	max. 30A @ 40 °C tamb max. 27A @ 50 °C tamb	max. 3 x 32 A @ 25 °C tamb max. 3 x 27 A @ 40 °C tamb	
Surge current	580 A at 25°C and t = 10 ms	600 A at 25°C and t = 10 ms	
Power consumption			max. 6 VA
Relay contact outlet			1 x changeover contact NO, 220 VAC / 30 VDC 3 A (ohmic load)
Sensor type			RTD Pt100, thermo couple -J, -K, -R, -B, -S, -T, -E, -N, -PL-II
Dimensions RGC	54	Dimensions JPXE4	Mounting bracket
51 35.5	36 [5.35"] 4.5 3.4 1.5 3.2 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	48 OUTO MISO AND PRE4 N GOOD TO	2.6 60.9 87 L5









Gas Conditioning Systems







Gas Sampling **Probes**



Heated Sample Lines



Sample Gas Coolers







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