220V PID Temperature Controller REX-C900 Thermocouple PT100 K Universa Input Multi-input SSR Relay Output Thermostat Regular

Free Shipping RKC PID Temperature Controller REX-C900 Universal Input Multi-input SSR Relay Output 96*96mm Thermostat Regular

Input: Thermocouple/RTD

Output: SSR/Relay

Alarm: 1

Power: 100-240VAC

Product Features:

- Dual display for both set temperature and process temperature

- Size, 1/4 DIN 96*96mm*110mm

- Universal input, support 10 different types of thermocouples and RTD inputs by customers selected at panels.

- Auto-tune function can find the best PID parameter automatically

- Displays temperature in Celsius

- Four digits LED display can go up to "9999"

- Can be powered by either DC or AC power source

- Uses it for Kiln,Furnace,Oven,Incubator temperature control

- Uses it in heating control as well as for cooling control

- It is used in various industries to control and monitor process temperatures

Product Main Specifications:

Input type	TC: K, E, S, R, J, T, B, WRe3-WRe25.
	RTD: Pt100, Cu50
	DC voltage: 0~5V, 1~5V,0~10V.
	DC current: 4~20mA
Input range	K (-200~+1300ºC), S (-50~+1600ºC), WRe3-WRe25 (0~2300ºC), R (-50~+1600ºC), T (-200~400ºC), E (-200~900ºC), J (-200~1200ºC), B (350~1800ºC), Pt100 (-99.9~600.0ºC) or (-200~+600ºC), Cu50 (-50~150ºC)
Display	Two lines, Four digits. °C.
Display Resolution	1°C, 1°F, or 0.1°C, 0. 1°F, with Pt100

Accuracy	±0.5% or ±1 unit of full input range
Control mode	PID, On-Off
Output mode	Relay contact: 3A at 240 VAC. SSR: 12VDC, Current: 4~20 mA Voltage: 0~10V
Alarm	Upper-limit bias alarm
Power consumption	<2 Watt
Power supply voltage rating	85~265VAC/50~60Hz
Dimensions	Rex-C900 96*96*110mm

Cautions:

- Only clean the instrument when power off.

- Please use a soft cloth or cotton paper to clean up the stain on the display.

- Do not clean up or touch the display by hard matters in case of any scrath.

- Never use sharp & hard matters such ass screwdrivers or ball pan to touch the buttons on the panel,in case of any scrath or damage.

Packages:
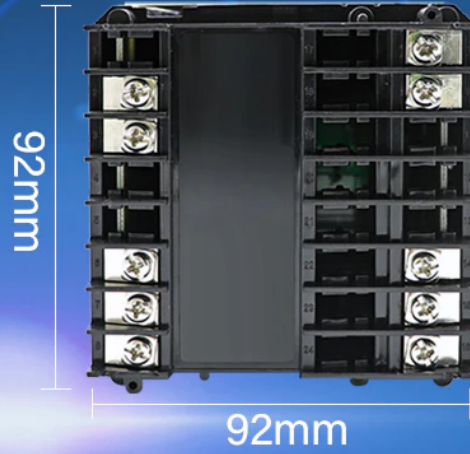
- 1×PID Digital Temperature Controller (**NOT include thermocouple**)

- 1 x English User Manual

PRODUCT DETAILS

Panel Size

96mm

96mm

REX-C900

PV
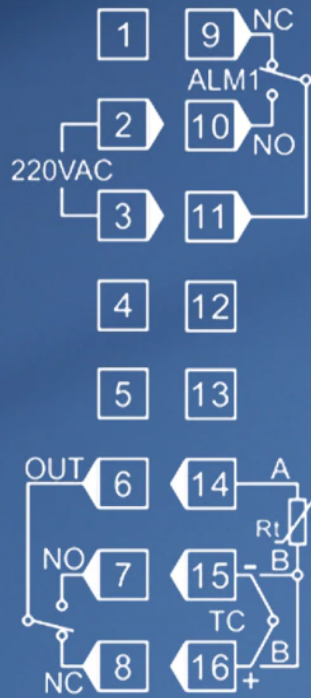
SV

OUT1 OUT2 AT ALM1 ALM2

SET

Opening Size

92mm

92mm

1   AL1   9
2   220VAC   10
3   11
4   12
5   13
6   14
7   OUT   TC   15
8   SSR   16

110mm

Depth Dimension

Product Model	REX- C900	Control Mode	Fuzzy PD Control or Bit Control
Product Power Supply	220VAC,50/60Hz	Alarm Range	Full range free setting
Product Power Consumption	<10VA	Product Accuracy	Measurement accuracy : ± 0.5% FS
Input Type	K. E, Js, R, B, N, T, Pt100, Cu50 (Adjustable)		
Type of Output	Relay Output, Solid State Ssr Output, Current Output 4-20ma (Optional)		
Product Size	Overall Dimension: 96 × 96 × 110 (mm),　Opening Size: 92 × 92(mm)		
Use Environment	Temperature: 0℃ ~ 50℃, Humidity: 30 ~ 85% Rh, No Corrosive Gas		

Rex Series Model Definition and Selection

R E X ☐☐☐ - ☐ * ☐☐
①②③　④　⑤⑥

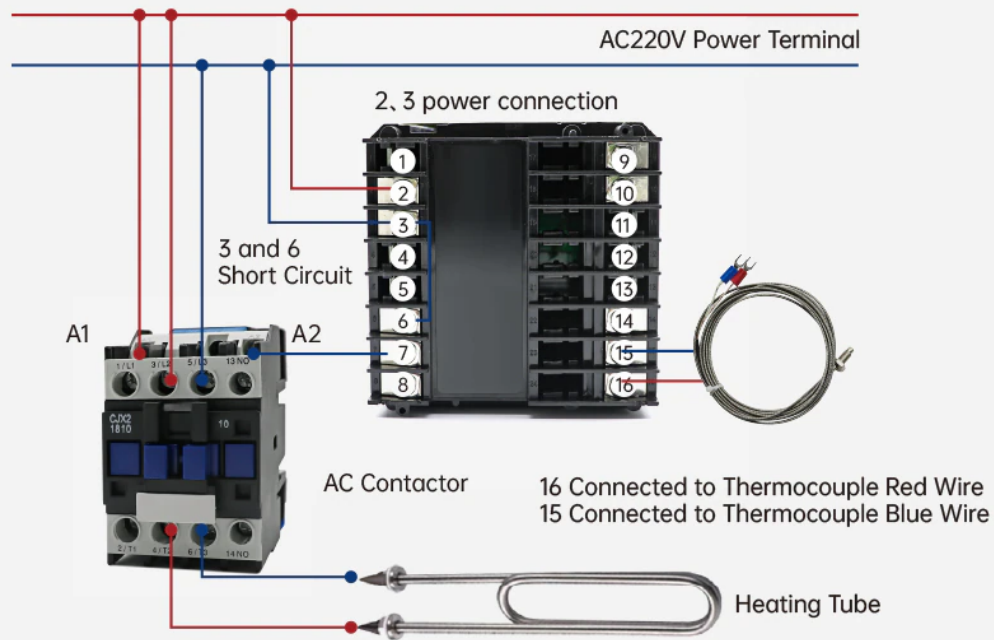| Serial Number	Name	Explain
①	Instrument Size (Unit: mm)	C100=48×48×110、C700=72×72×110 C400=48×96×110、C900=96×96×110 C410=96×48×110
②	Control Mode	F = Pid Control And Automatic Calculus Reverse Action (Heating Effect) D = Positive Action Of Pid Control And Automatic Calculation (Refrigeration)
③	Input Type And Range	(The Following Are Common Parameters. Please Refer To The Manual For All Parameters) K02 = 400℃ E02 = Graduation E Type, Temperature Range 0 ~ 400℃ D10 = Graduation Pt100 Type, Temperature Range 0 ~ 400.0℃
④	Master Output	M = Relay Contact Output, V = Voltage Pulse Output (ssr8 = Current Output 4-20ma)
⑤/⑥	First Alarm \ Second Alarm	A = Upper Limit Deviation Alarm, B = Lower Limit Deviation Alarm C = Upper And Lower Limit Deviation Alarm, N = No Alarm

Electrical Wiring Diagram of Relay Output And Solid State Ssr Output

Physical Wiring Diagram of Relay Contact (Relay) Output

AC220V Power Terminal

2、3 power connection

3 and 6
Short Circuit

A1   A2

CJX2
1810

AC Contactor

16 Connected to Thermocouple Red Wire
15 Connected to Thermocouple Blue Wire

Heating Tube

Note: the thermal resistance (PT100 and cu50) is three wires, the red wire is connected to 14, and the other two wires are arbitrarily connected to 15 and 16.

Physical Wiring Diagram of Voltage Pulse Ssr Solid State Relay Output

AC220V Power Terminal

2、3 power connection

7 Connected to Positive Pole of Solid State Relay
8 Connected to Negative Pole of Solid State Relay

16 Connected to Thermocouple Red Wire
15 Connected to Thermocouple Blue Wire

Heating Tube
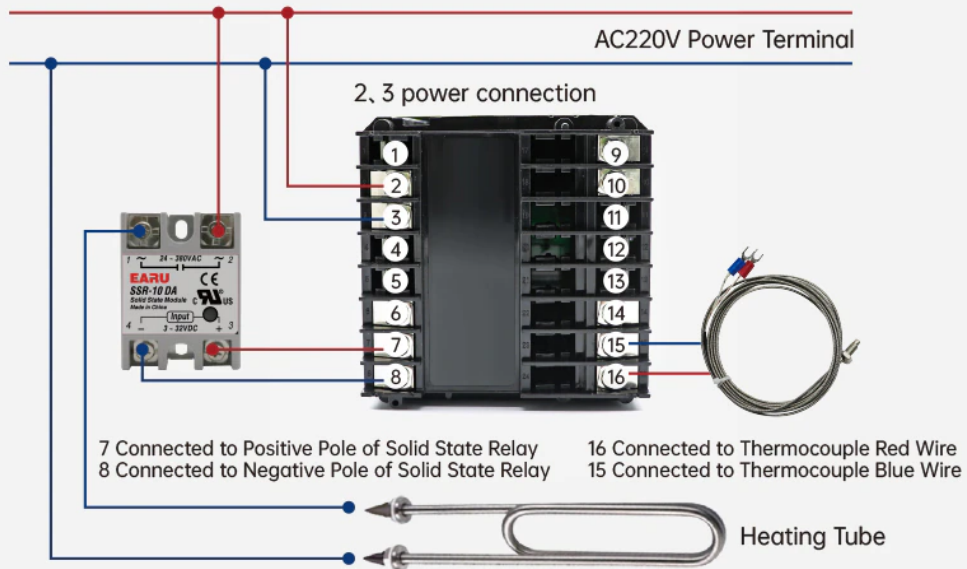
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MODEL	REX-C900FK02-V*AN
RANGE	0-400℃ K
OUTPUT	SSR
NO.	2021N056557
SUPPLY	220V.AC,50/60Hz

INSTRUMENT INC