

CTL Series Temperature Controller

General

Using industrial-grade CPU, strong anti-interference ability; Multiple input signal and output types are available; Multiple alarm types, suitable for the use of different applications; Stable and reliable performance, meet low-cost temperature control requirements.



Features

- Fuzzy PID, control fast & smooth
- Input signal type can be set up by software
- Thermocouple/RTD break alarm
- Thermocouple inverse / RTD short alarm
- PV bias, PID auto-tuning, alarm delay, etc.

Specifications

Power Supply: AC85~265V, 50/60Hz

Accuracy: $\pm 0.5\%$ F.S.

Input Signal: Thermocouple (K, E, J, T)
RTD (Pt100)

Display Unit: Dual 3-digit LED

Resolution: 1°C/0.1°C

Control Method: PID with auto-tuning, ON/OFF

Control Output: Relay contact, AC250V/3A
SSR Drive (Voltage pulse)
D.C. 4~20mA

Alarm Mode: Absolute, Deviation, Range

Alarm Output: Relay contact, AC250V/3A

Working Circumstance: 0~50°C, 25~85%RH

Panel Size (mm): 48*48, 72*72, 48*96, 96*48, 96*96

Application

Can be used to control temperature in water treatment, refrigeration, electric heating products, such as plastic machine, printing machinery, packaging machinery, electric stove, oven, etc.

Ordering Code

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 ① ② ③ ④ ⑤

No.	Name	Description
①	Panel Size	4: 48mm*48mm 5: 48mm*96mm 6: 96mm*48mm 7: 72mm*72mm 9: 96mm*96mm
②	Input Signal	K03: K(-50~999°C) E03: E(-50~800°C) J03: J(-50~999°C) T03: T(-50~400°C) P03: Pt100(-20~580°C) P06: Pt100(-19.9~99.9°C)
③	Control Output	M: Relay contact (AC250V, 3A) V: SSR Drive (Voltage pulse) 8: DC 4~20mA
④	Alarm	N: None M: Relay contact *1 MM: Relay contact *2 MMM: Relay contact *3
⑤	Rs485	N: None C1:Rs485, Modbus RTU