

Data sheet

Size	DIN W72×H36mm
Display method	4-digit 7-segment LED
Control method	ON/OFF, P, PI, PD, PID
Input specification	Thermocouple: K(CA), J(IC), L(IC) RTD: DPt100Q, Cu50Q
Sampling cycle	100ms
Control output	Relay (250VAC~ 3A) or SSR drive (12VDC ---) [ON/OFF, phase, cycle]
Option output	Alarm 1
Power supply	100-240VAC~ 50/60Hz
Display accuracy_RT D	<ul style="list-style-type: none"> ■At room temperature(23°C ± 5°C):(PV ± 0.5% or ±1°C, select the higher one) ± 1-digit ■Out of room temperature range:(PV± 0.5% or ±2°C, select the higher one)± 1-digit
Display accuracy_Thermocouple	<ul style="list-style-type: none"> ■At room temperature(23°C ± 5°C):(PV ± 0.5% or ±1°C, select the higher one) ± 1-digit ■Out of room temperature range:(PV± 0.5% or ±2°C, select the higher one)± 1-digit
Hysteresis(adjustable sensitivity)	1 to 100°C/°F(0.1 to 50.0°C/°F) variable
Proportional band	0.1 to 999.9°C/°F
Integral time	0 to 9999 sec
Derivative time	0 to 9999 sec
Control period	0.5 to 120.0 sec
Manual reset	0.0 to 100.0%
Environment_Ambient temperature	-10 to 50°C, storage: -20 to 60°C
Environment_Ambient humidity	35 to 85% RH, storage: 35 to 85% RH
Insulation type	Double insulation or reinforced insulation(mark:  , dielectric strength between the measuring input part and the power part: AC power 2kV, AC/DC Power 1kV)
Weight	Approx. 174g(approx. 85g)

※In case of the AC voltage model, SSR drive output method (standard ON/OFF control, cycle, control, phase control) is available to select.

※Display accuracy: Thermocouple L(IC) type, RTD Cu50Q

■At room temperature (23°C ±5°C): (PV ±0.5% or ±2°C, select the higher one) ±1-digit

■Out of room temperature range: (PV ±0.5% or ±3°C, select the higher one) ±1digit

In case of TC45P Series, ±1°C will be added.

※The weight includes packaging. The weight in parenthesis is for unit only.

※Environment resistance is rated at no freezing or condensation.