

Temperature Controller

KT Series



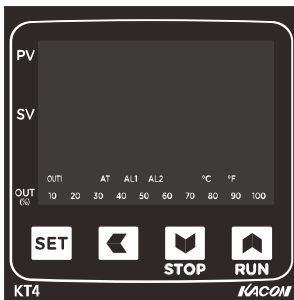
Part Number Description

KT	-	1	2	3	(Economical Type)
1 Size		2 : W48 X H96mm	4 : W48 X H48mm	7 : W72 X H72mm	
2 Output Type		7 : Relay + Voltage for driving SSR			
3 Communication		0 : No Communication			

General Specification

Supply Voltage	100 to 240VAC 50/60 HZ
Operation Voltage Range	90% to 110%, rated voltage
Power Consumption	Max. 5VA
Indication Method	7-segment 4digits LED : PV in red, SV in green
Temperature Input	Thermocouple : K,E,J,N,S,T,R,B Platinum resistance : PT100
Analog Input	Current : 4 - 20mA Voltage : 0 - 10VDC
Display Accuracy	Normal temperature (23°C ± 5°C):(PV ± 0.5% or ± 1°C, select the higher one) ± 1digit Out of normal temperature range : (PV ± 0.5% or ± 2°C, select the higher one) ± 1digit
Control Method	On/Off Control, PID Control
Control Output	Relay output : 3A/250V AC, Voltage Pulse output
Sampling Period	250ms
Vibration Resistance	0.7mm amplitude at 10 - 55Hz in each 3 directions for 1.5 hours
Ambient Temperature	-10 ~ +50°C (with no icing)
Storage Temperature	-12 ~ +60°C (with no icing)
Ambient Humidity	35 - 85%RH (non-condensing)

General Function



- PV Display : Present value/function display (red)
- SV Display : Set value (green)
- OUT1 : On when out (green)
- AT : flashes when PID auto-tuning (green)
- AL1, AL2 : On when alarm (red)
- °C, °F : Temperature unit LED (C: Celsius, F:Fahrenheit)
- OUT(%) : Output ratio (10 ~ 100%)
- SET : Move to parameter, set the parameter value
- ← : Displaying functions left-shifting the digit
- ↕ : Up and run function
- ↓ : Down and stop function

Product Selection

Size	Part No.	OUTPUT
4896	KT270	Relay + SSR
4848	KT470	Relay + SSR
7272	KT770	Relay + SSR

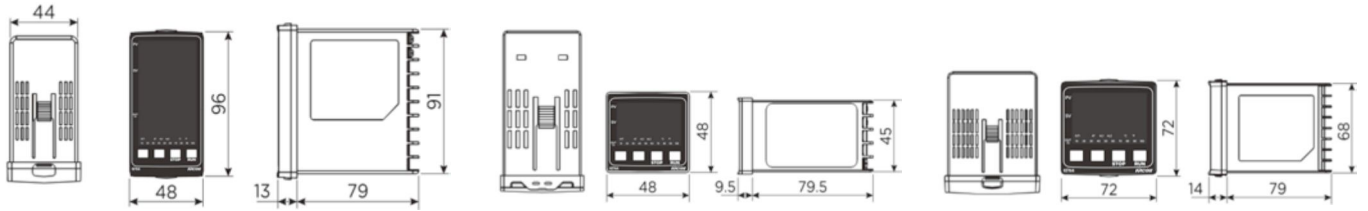
Dimension & Panel Cutout

(mm)

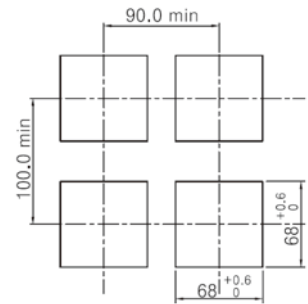
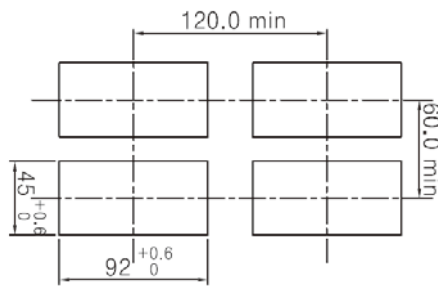
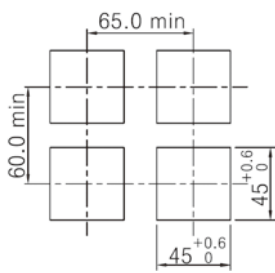
KT2

KT4

KT7



Mounting



Data Processing