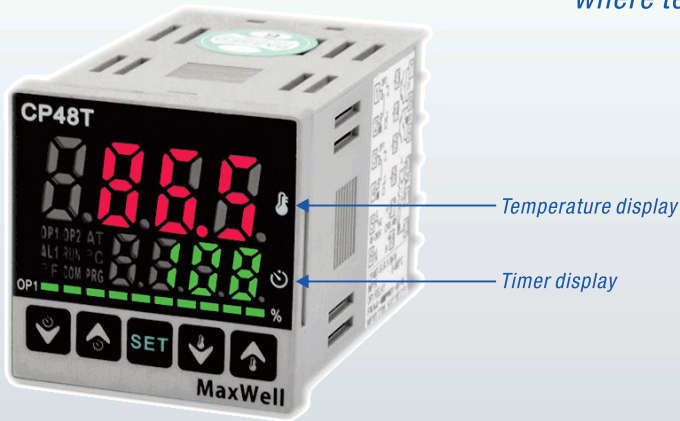


Ideal solution for heat press transfer printing or other application where temperature and time involved at the same time

Features:

- Dual display, 4 digits, 7 segments LED display
- Thermocouple input(K, E, J, T, S, R, B, N, Wu3_Re25, PT100, Analog)
- PID, PID Autotune, ON-OFF Control Mode
- Built-in Timer+Temperature Controller
- Timer have to be triggered manually and externally
- Timer can be reset manually or automatically
- Timer counting up and counting down selectable
- Timer output reset delay
- °C/°F display selectable
- 0.3%F.S measuring accuracy
- Bar graphic display indication
- Optional features
 - RS485 Modbus RTU Communication
 - Timer external reset optional



Technical Specifications

Ordering Information

CP48T	(48mm*48mm)(Width*Height)					
CP49T	(48mm*96mm)(Width*Height)	1	2	3	4	5
CP72T	(72mm*72mm)(Width*Height)					
CP96T	(96mm*96mm)(Width*Height)					

1:Input

Blank	No code in this position means standard model, TC/RTD input
A	4-20mA, 0-10Vdc.

2:Output for temperature control(OP1)

R	Relay output
V	SSR Drive output
D	4-20mA output
5	0-5Vdc
6	0-10Vdc
7	1-5Vdc
T	Triac output

3:Output for timer(OP2)

R	Relay output
V	SSR Drive output
T	Triac output

4:Timer external reset function

Y	With external reset function(via D2 terminal)
N	Without external reset function

5:Power Source

96	85~265Vac 50/60HZ
24	24Vdc/ac

6:Communication

N	Without Communication
K	With Modbus RTU RS-485 communication

Example: CP48T-R-R-Y-96-N

CP48T: size 48mm*48mm, TC/RTD input

R:Temperature control output Relay

R:Timer control output Relay

Y: With external dry contact D2 for timer reset function

96:Power source is 85~265Vac

N: Without communication function

General Specifications

Electrical Specifications

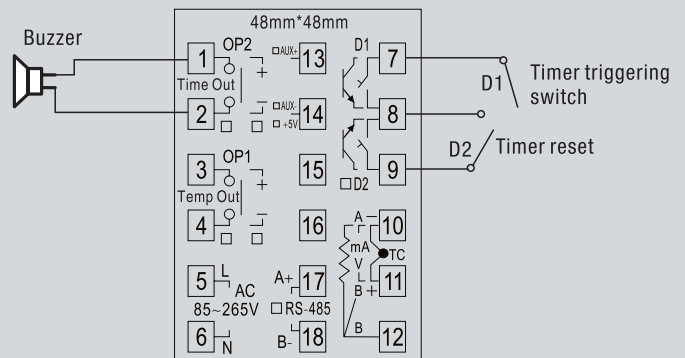
Display	Upper for temperature, lower for time
Input	TC/RTD/Analog
Output for temperature	Relay/SSR Drive/4-20mA
Output for timer	Relay/SSR
Temp control mode	PID on/off mode
Timer triggering mode	Manually triggered from external switch(D1)
Timer output reset delay range	0.0~200.0 seconds
Timer reset mode	Manually reset from external switch(D2)
Timer counting mode	Counting up or down configurable
Timer setting range	1-9999 seconds(set from key pad)
Timer unit	Seconds
Timer relay output mode	Relay pull-in when timer kicks off or timer terminate
Power source	85~265Vac or 24VDC/AC
Measuring accuracy	0.3% F.S
Display unit	°C or °F display selectable
Communication	Modbus RS-485 RTU optional

Mechanical Environmental Specifications

Size	48mm*48mm, 48mm*96mm, 72mm*72mm, 96mm*96mm
Weight	0.17kg/ 0.27kg/0.27kg/0.35kg
Operating temperature humidity	-10°C~+50°C 45%~85% RH

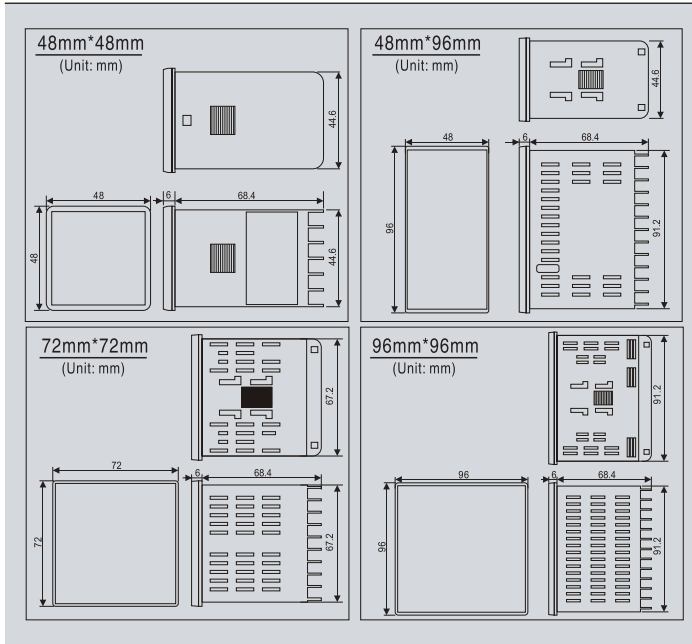
Things you should about the built-in timer

The major concept of this device is that the timer being built-in together with the controller, so this one device can be a solution for application where time and temperature involved, therefore it is essential to understand all the features come with the timer, below is the wiring diagram for size 48mm*48mm along with the explanation.



Terminal 7 and 8 can be connected with a toggle switch, push button or foot switch or simply a dry contact switch for triggering the timer, terminal 8 and 9 will be used to reset the timer, a typical application would be heat transfer printing, for example, when PV reach to SV, you can press down the heat plate and trigger the timer at the same time for let's say 15 seconds, when 15 seconds runs out, the timer relay will pull-in and the buzzer will make noise for 5 seconds(configurable).

Dimension and cutout sizes



Wiring diagram

