

VT10 Series Microprocessor Based PID Controller

Feature:

- T/C, RTD, Linear Input selectable.
- Universal Power supply : 90-264V AC, 50/60Hz. DC / AC 24V is also available for option.
- Ramp to set point and soak functions.
- 2 Alarm output. (note 1)
- Countdown timer for setting delay of alarm relay activation.
- 8 Alarm Function-user selectable.
- Output 2 (for Cooling, Not Available in VT4810) .

note 1: 1alarm only for VT-4810 ; 2nd alarm output for VT-7210 is on option.

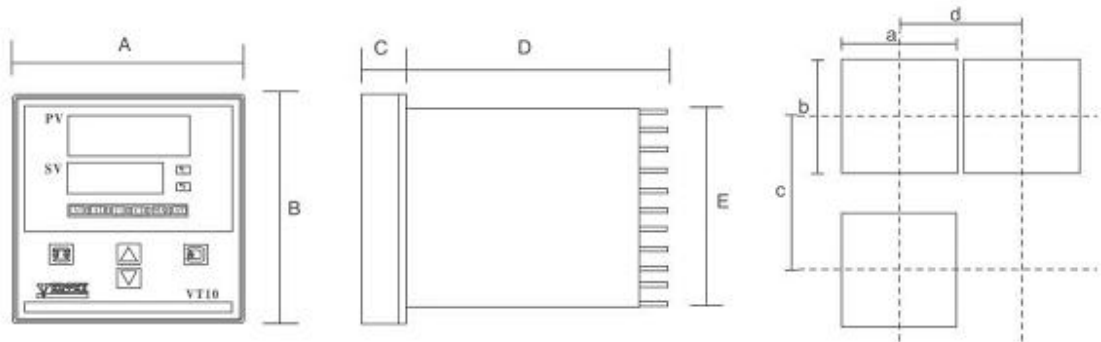


Specifications	
Input	Thermocouple: J, K, T, E, B, R, S, N type
	RTD: DIN PT-100; JIS PT-100
	Linear: 4~20mA; 0~50mV; 0~1V; 0~5V; 0~10V...
Accuracy	T/C: ±1 °C ; PT100: ±0.2 °C
Sampling Time	2 times / second
Control	Proportional Band: 0.0~100.0%
	Rest (Integral) : 0~3600 sec.
	Derivative Time : 0~3600 sec.
	Hysteresis (Dead Band): 0.0~25.5 %
	Cycle Time: 0~100 sec.
Output	Relay Contact Output: 5A/ 250 VAC
	Pulsed Voltage Output to Drive SSR: DC 0/24V (Resistive 250Ω min.)
	Current Output: 4~20mA; 0-20mA (Resistive 600Ω max.)
	Continuous Voltage Output: 0-1V; 0-5V; 0-10V (Resistive 600Ω min.)
General	Rated Voltage: AC 90-264V 50 / 60Hz; DC 24V
	Ambient Temperature: 0~50 °C
	Ambient Humidity: 0~90 %
	Consumption: Less than 5VA

Input		
Type	Temperature	Range
J	-50 °C ~ 1000 °C	-58 °F ~ 1830 °F
K	-50 °C ~ 1370 °C	-58 °F ~ 2498 °F
B	0 °C ~ 1800 °C	32 °F ~ 3272 °F
R	0 °C ~ 1750 °C	32 °F ~ 3182 °F
S	0 °C ~ 1750 °C	32 °F ~ 3182 °F
T	-270 °C ~ 400 °C	-454 °F ~ 752 °F
E	-50 °C ~ 750 °C	-58 °F ~ 1380 °F
N	-50 °C ~ 1300 °C	-58 °F ~ 2372 °F
DPT	-200 °C ~ 500 °C	-328 °F ~ 932 °F
JPT	-200 °C ~ 500 °C	-328 °F ~ 932 °F
LINE	-1999 ~ 9999	-1999 ~ 9999

Alarm Function	
PV High Alarm	PV Low Alarm
Deviation High Alarm	Deviation Low Alarm
Event-Off Timer Alarm	Event-ON Timer Alarm
Soak On Timer Alarm	Soak On Timer Alarm

Dimension

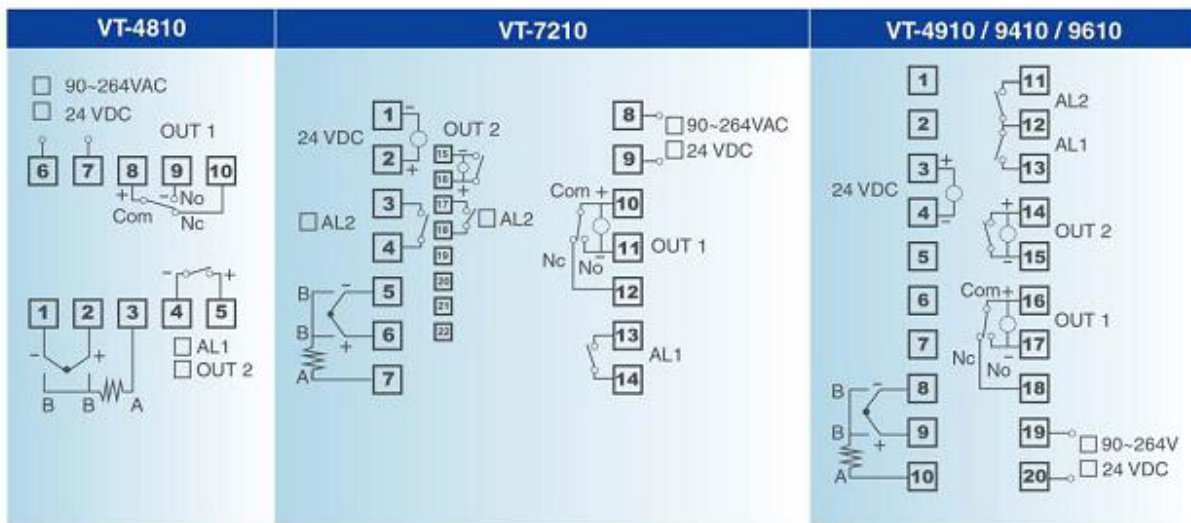


(Unit: mm)

PANEL CUTOUT :

Model	A	B	C	D	E	a	b	c	d
VT-4810	48	48	6	100	45	45 ^{+0.5}	45 ^{+0.5}	60	48
VT-9410	96	48	9	80	45	92 ^{+0.5}	45 ^{+0.5}	48	120
VT-7210	72	72	9	80	67	68 ^{+0.5}	68 ^{+0.5}	90	72
VT-4910	48	96	9	80	91	45 ^{+0.5}	92 ^{+0.5}	120	48
VT-9610	96	96	10	80	91	92 ^{+0.5}	92 ^{+0.5}	120	96

Wiring Diagram



Ordering Information

Size	Code	Input	Code	Output 1 (Heating)	Code	Alarm 1	Alarm 2	Code	Output 2 (Cooling)	Code	Power Supply	Code
48mmx48mm	48	Thermocouple	T	Relay	R	Standard	VT-4810	N	Relay	R	AC 90-264V	A
72mmx72mm	72	RTD	D	SSR	P		Not available	N	SSR	P	50/60 Hz	
48mmx96mm	49	Linear	L	4-20mA DC	M		None	N	Linear	M	DC 24V	D
96mmx48mm	94			Continuous Voltage	V		Option	R	4-20mA	V		
96mmx96mm	96						Standard	R	None	N		