VT30 Programmable Controller

Feature:

- T/C, RTD, Linear Input selection.
- Fuzzy enhanced PID Control.
- Auto / Manual Bumpless Transfer.
- Two Alarm output with 9 different alarm functions
- Two 8-segment (Ramp & Soak) profiles.
- Universal power supply : 90~250VAC, 50/60Hz.
- Event Alarm.

Optional:

- Output 2 for cooling control.
- PV or SV Retransmission.
- Master & Slaver transmission.
- RS-485 communication.(MODBUS RTU)
- Power supply : DC 24V

VT-4830

VT-7230

VT-4930

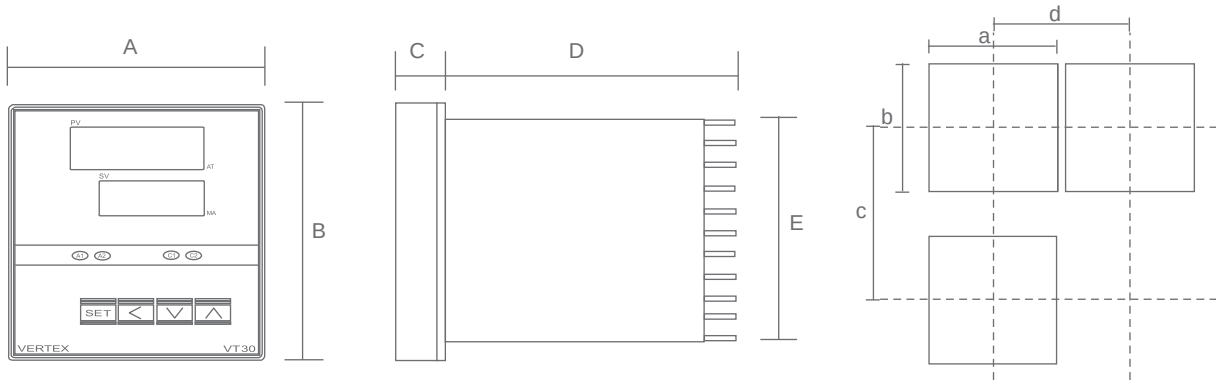
VT-9630

Specifications	
Input	Thermocouple: J. K. T. E. B. R. S. N.C
	RTD: DIN PT-100; JIS PT-100
	Linear: 4~20mA; 0~50mV; 1~5V; 0~10V…
Accuracy	T/C±1˚C; RTD±0.2˚C; Linear±3μV
Sampling Time	0.25 sec.
Control	Proportional Band: 0.0~300.0% F.S
	Integral Time: 0~3600 sec.
	Derivative Time : 0~900 sec.
	Hysteresis: 0.0~200.0 or 0~2000
	Cycle Time: 0~100 sec.
Output Cycle Time	Relay 15 sec.
	Pulsed Voltage to Drive SSR: 1sec.
	Continuous Current (Voltage): 0 sec.
Output	Relay Contact Output: 10A/ 240 VAC (Resistive load)
	Pulsed Voltage Output to Drive SSR: DC 0/24V
	(Resistive 250Ωmin.)
	Current Output: 4~20mA (Resistive 600Ωmax.)
	Continuous Voltage Output: 0~50mV; 1~5V; 0~10V.....
	(Resistive 600Ωmin.)
General	Rated Voltage: 90~250VAC 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 ~ 1832˚F
K	-50˚C ~ 1370˚C	-58˚F ~ 2498˚F
T	-270˚C ~ 400˚C	-454˚F~ 752˚F
E	-50˚C ~ 750˚C	-58˚F~1382˚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
N	-50˚C ~ 1300˚C	-58˚F~ 2372˚F
C	-50˚C ~ 1800˚C	-58˚F~ 3272˚F
DPT	-200˚C ~ 850˚C	-328˚F~ 1652˚F
JPT	-200˚C ~ 650˚C	-328˚F~ 1202˚F
LINE	-1999 ~ 9999	

Alarm Functions	
Process High Alarm	Process Low Alarm
Deviation High Alarm	Deviation Low Alarm
Band High Alarm	Band Low Alarm
PV High Alarm with Delay Time	PV Low Alarm with Delay Time
Time Signal Alarm	

Dimension



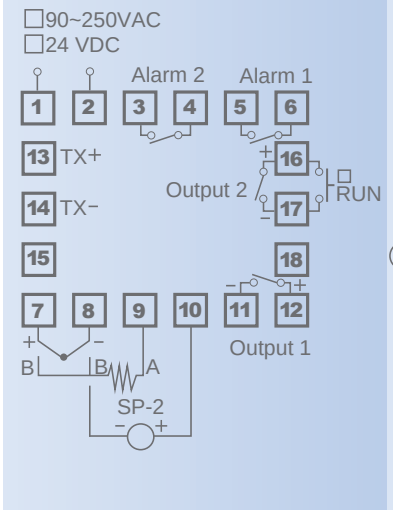
(Unit: mm)

PANEL CUTOUT :

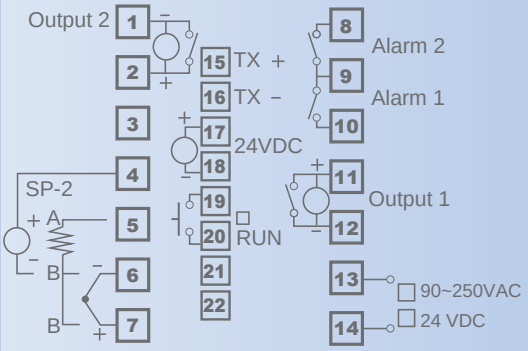
Model	A	B	C	D	E	a	b	c	d
VT-4830	48	48	6	100	45	$45^{+0.5}$	$45^{+0.5}$	60	48
VT-4930	48	96	9	80	91	$45^{+0.5}$	$92^{+0.5}$	120	48
VT-7230	72	72	9	80	67	$68^{+0.5}$	$68^{+0.5}$	90	72
VT-9630	96	96	10	80	91	$92^{+0.5}$	$92^{+0.5}$	120	96

Wiring Diagram

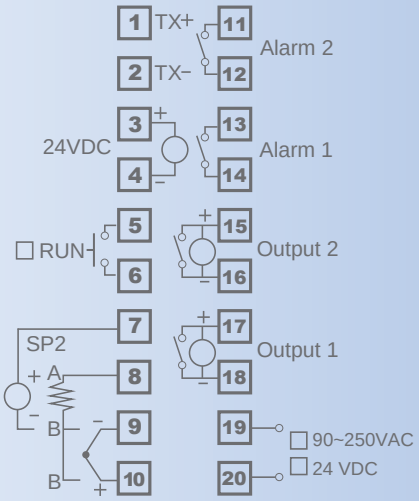
VT 4830



VT 7230



VT 4930/9630



Ordering Information

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Size	Code
48mmx48mm	48
48mmx96mm	49
72mmx72mm	72
96mmx96mm	96

Input	Code
T/C	T
PT100(RTD)	D
0-60mV DC	L
0-10V	V
0-24mA	M

Output 1 (Heating)	Code
Relay	R
SSR	P
4~20mA DC	M
Continuous Voltage	V

Output 2 (Cooling)	Code
None	N
Relay	R
SSR	P
4~20mA DC	M
Continuous Voltage	V

Option	Code
None	N
RS-485	C
Retransmission	R
Master	M

Power Supply	Code
90~250VAC 50/60 Hz	A
DC 24V	D

Note 1: If input code ”L” is selected, please specify the input Signal and scale, for example: 4~20mA, 0.0~100.0

Note 2: If output code ”O” is selected, please specify the output Signal, for example: 1~5V