



VT26+ Fuzzy Enhanced PID Controller



Feature:

- ▶ T/C, RTD, Linear Input selection.
- ▶ Fuzzy enhanced PID Control.
- ▶ Auto / Manual Bumpless Transfer.
- ▶ Two alarm output.
- ▶ Standby and Latch mode can be combined with 8 different alarm functions.
- ▶ Ramp to set point and soak functions.
- ▶ Soft- start function.
- ▶ Universal power supply : 100~240VAC, 50/60Hz.

Optional:

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



VT-9626+



VT-9426+



VT-7226+



VT-4926+



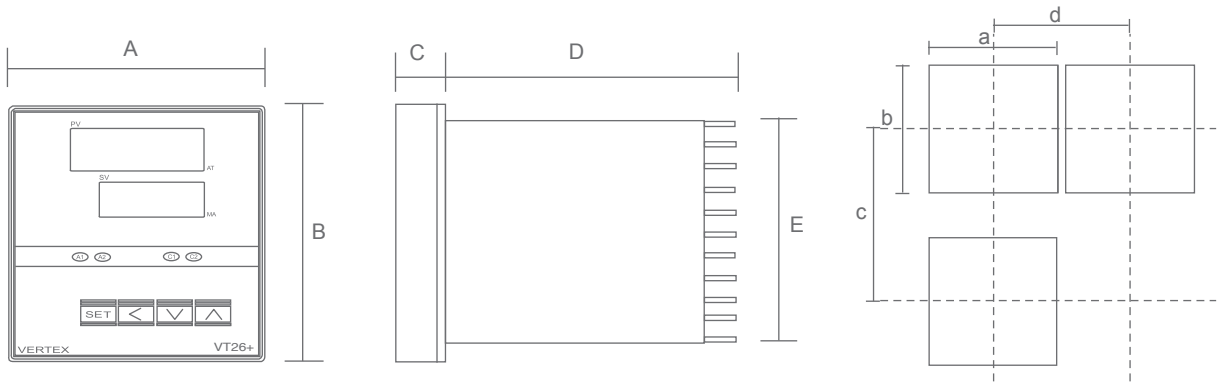
VT-4826+

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±3 μV
Sampling Time	0.1 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.
	Relay Contact Output: 10A/240 VAC (Resistive load)
Output	Pulsed Voltage Output to Drive SSR: DC 0/24V (Resistive 250Ω min.)
	Current Output: 4~20mA (Resistive 600Ω max.)
	Continuous Voltage Output: 0~50mV; 1~5V; 0~10V..... (Resistive 600Ω min.)
	Rated Voltage: 100~240VAC 50/60Hz; DC 24V(★)
General	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	
PV High Alarm	PV 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

Dimension

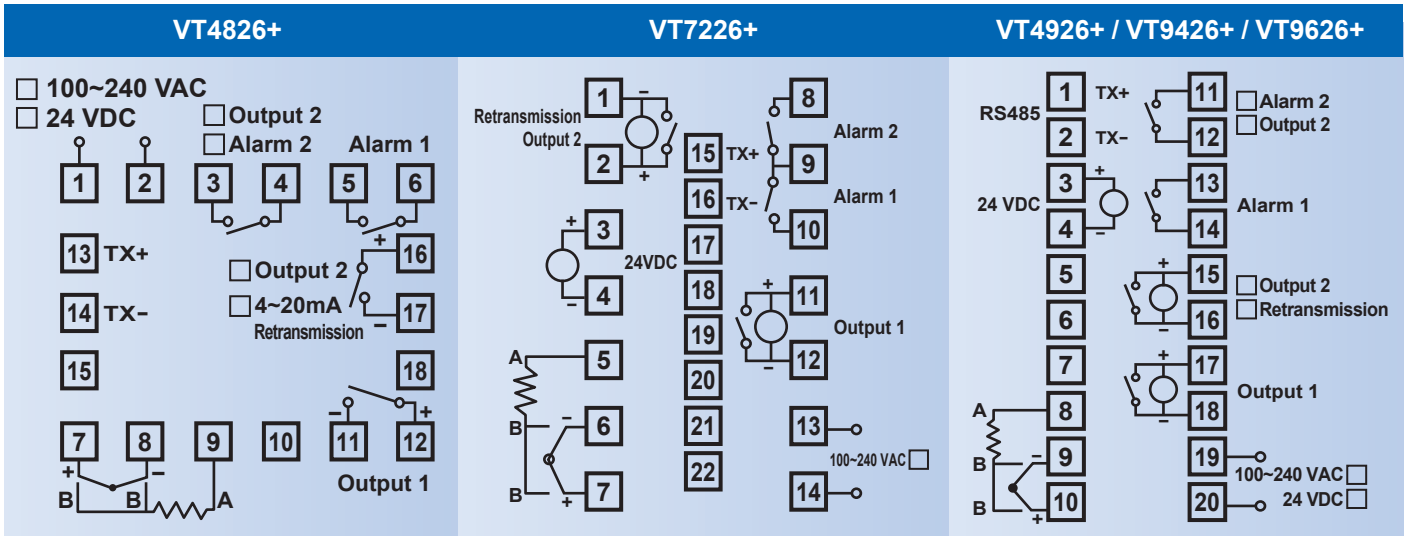


(Unit: mm)

PANEL CUTOUT :

Model	A	B	C	D	E	a	b	c	d
VT-4826+	48	48	6	100	45	45 ^{+0.5}	45 ^{+0.5}	60	48
VT-7226+	72	72	9	80	67	68 ^{+0.5}	68 ^{+0.5}	90	72
VT-4926+	48	96	9	80	91	45 ^{+0.5}	92 ^{+0.5}	120	48
VT-9426+	96	48	9	80	45	92 ^{+0.5}	45 ^{+0.5}	48	120
VT-9626+	96	96	10	80	91	92 ^{+0.5}	92 ^{+0.5}	120	96

Wiring Diagram



Ordering Information

VT 26+

Size	Code	Input	Code	Output 1 (Heating)	Code	Output 2 (Cooling)	Code	Selection	Code	Power Supply	Code
48mmx48mm	48	T/C	T	Relay	R	None	N	None	N	100~240VAC 50/60 Hz	A
72mmx72mm	72	PT100(RTD)	D	SSR	P	Relay	R	RS-485	C	DC 24V(★)	D
48mmx96mm	49	0-60mV DC	L	4~20mA DC	M	SSR	P	Retransmission	R		
96mmx48mm	94	0-10V	V	Continuous Voltage	V	4~20mA DC	M				
96mmx96mm	96	0-24mA	M			Continuous Voltage	V				

(★) DC 24V is not available on model VT7226+

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