



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 : 90~264V AC, 50/60Hz.

Optional:

- ▶ Output 2 for cooling control.
- ▶ PV or SV Retransmission.
- ▶ 4~20mA remote set point input.(SP-2)
- ▶ RS-485 communication.(MODBUS RTU)
- ▶ Power supply : DC 24V
- ▶ Master & Slaver transmission.

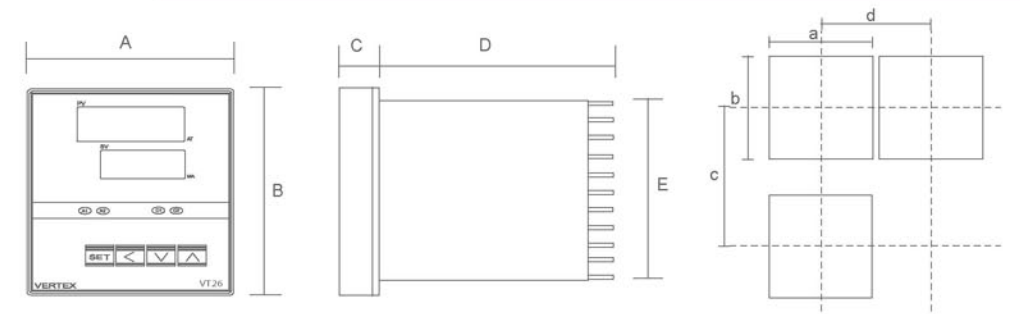


Specifications	
Input	Thermocouple: J, K, T, E, B, R, S, N, C RTD: DIN PT-100; JIS PT-100 Linear: 4~20mA; 0~50mV; 1~5V; 0~10V...
Accuracy	T/C±1 °C; RTD±0.2 °C; Linear±3 μV
Sampling Time	0.25 sec.
Control	Proportional Band: 0.0~300.0% F.S
	Integral Time: 0~3600 sec.
	Derivative Time : 0~900 sec.
	Hysteresis: 0.0~200.0 or 0~2000
Output Cycle Time	Cycle Time: 0~100 sec.
	Relay 15 sec.
	Pulsed Voltage to Drive SSR: 1sec.
Output	Continuous Current (Voltage): 0 sec.
	Relay Contact Output: 10A/ 240 VAC (Resistive load)
	Pulsed Voltage Output to Drive SSR: DC 0/24V (Resistive 250 Ω min.)
General	Current Output: 4~20mA (Resistive 600 Ω max.)
	Continuous Voltage Output: 0~50mV; 1~5V; 0~10V..... (Resistive 600 Ω min.)
	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 ~ 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

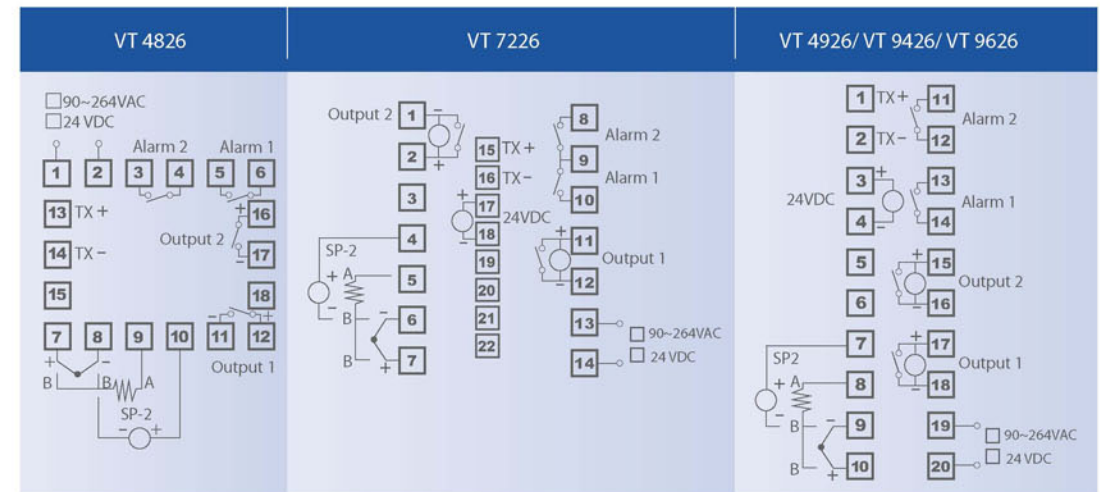


(Unit: mm)

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}	92 ^{+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	Option	Code	Power Supply	Code
48mmx48mm	48	T/C	T	Relay	R	None	N	None	N	AC 90~264V	A
72mmx72mm	72	RTD	D	SSR	P	Relay	R	RS-485	C	50/60 Hz	
48mmx96mm	49	Linear	L	4~20mA DC	M	SSR	P	4~20mA retransmission	R	DC 24V	D
96mmx48mm	94			0~10V	V	4~20mA DC	M	0~10V retransmission	V		
96mmx96mm	96			Other	O	Other	O	Remote Set Setpoint (SP-2)	P		
								Master	M		
								Slaver	S		

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