



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.



VT-9626



VT-9426



VT-7226



VT-4926



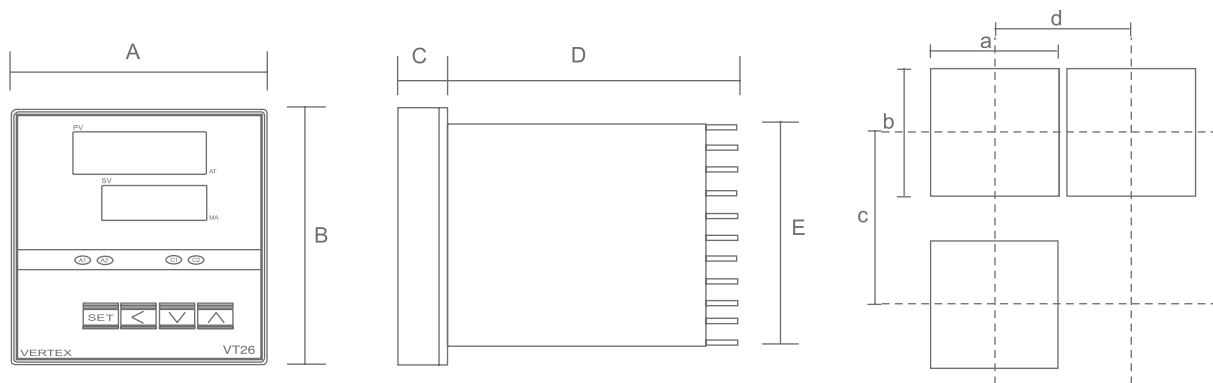
VT-4826

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	0.25 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 250Ω min.)
General	Current Output: 4~20mA (Resistive 600Ω max.)
	Continuous Voltage Output: 0~50mV; 1~5V; 0~10V..... (Resistive 600Ω 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

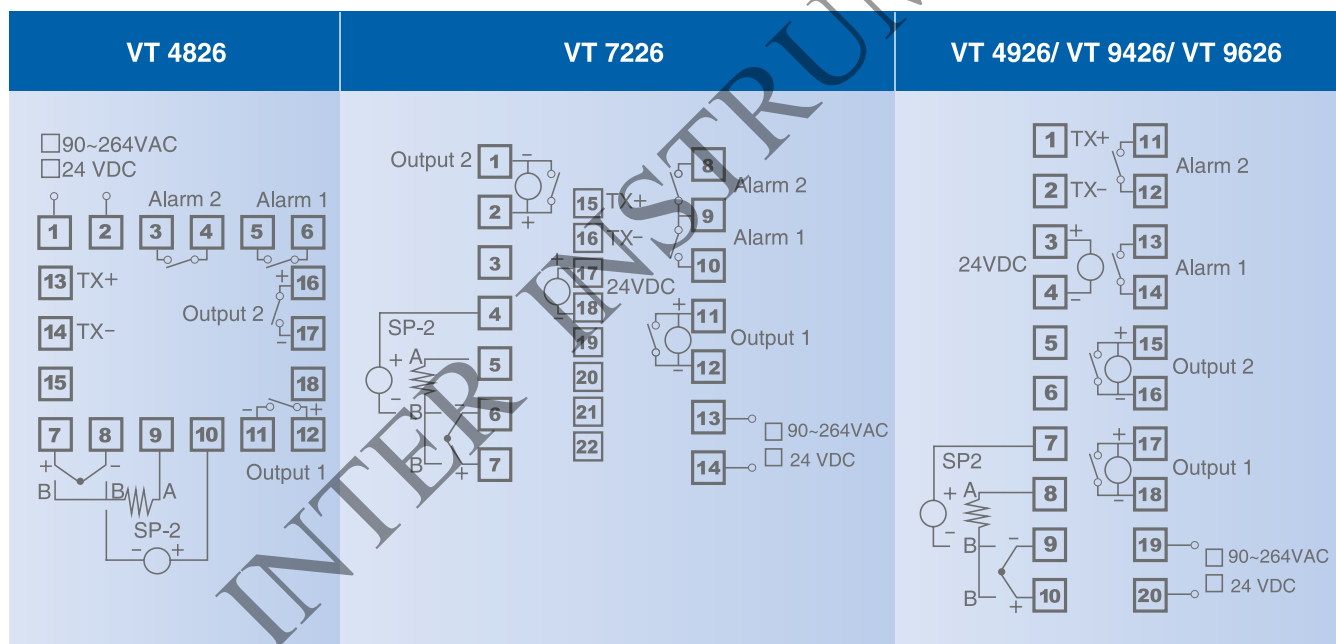


(Unit: mm)

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}	45 ^{+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
48mmx48mm	48
72mmx72mm	72
48mmx96mm	49
96mmx48mm	94
96mmx96mm	96

Input	Code
T/C	T
RTD	D
Linear	L

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

Selection	Code
None	N
RS-485	C
Retransmission	R
Remote Set Point (SP-2)	P
Master	M
Slaver	S

Power Supply	Code
AC 90-264V 50/60 Hz	A
DC 24V	D