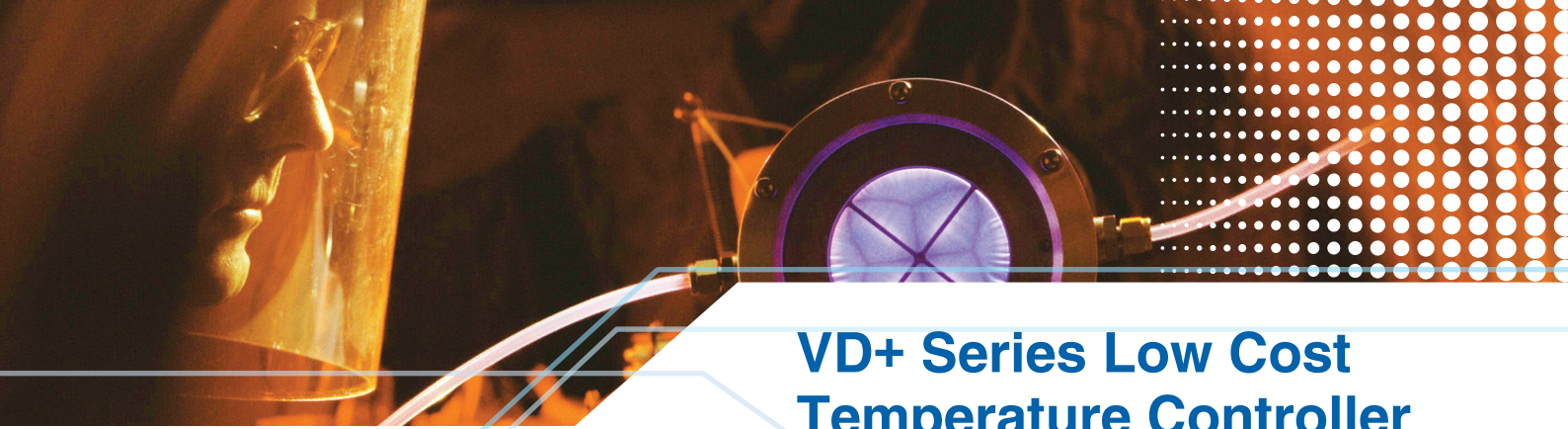




VD+ Series Low Cost Temperature Controller

Feature:

- ▶ T/C, RTD, Linear Input selection.
 - ▶ P, PD, ON/OFF control mode selection.
 - ▶ Universal power supply : 100~240VAC, 50/60Hz. DC24 is also available for option.
 - ▶ 3 Alarm output. (Note 1)
 - ▶ Form A or Form B contact alarm function can be selected.
 - ▶ 4-20mA PV Retransmission , or RS-485 communication(MODBUS RTU) is available for option.
- Note1: 2nd and 3rd Alarm are available for option.



VD-2600+



VD-2601+



VD-2603+



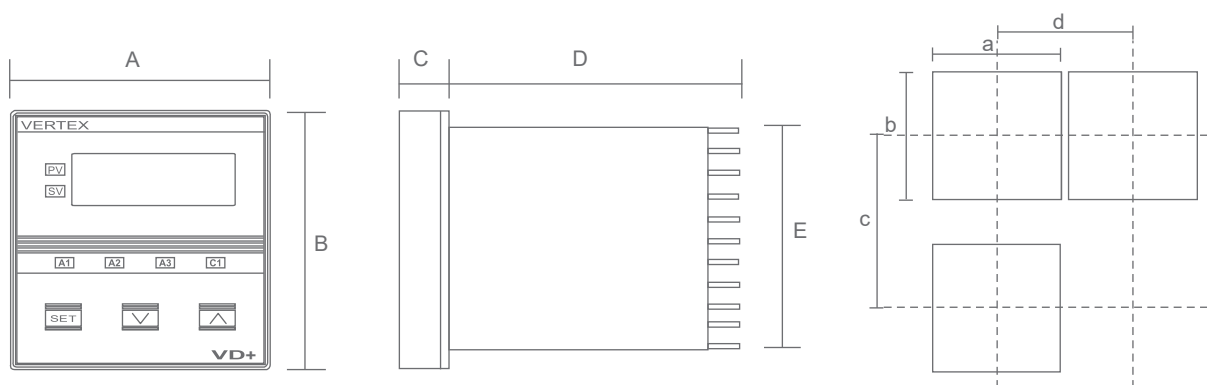
VD-2604+

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...
	RS-485 input
Accuracy	T/C $\pm$ 1 $^{\circ}$ C; RTD $\pm$ 0.2 $^{\circ}$ C; Linear $\pm$ 3 μ V
Sampling Time	0.25 sec.
Control	P Control: Proportional Band: 0.0~300.0% F.S
	PD Control: Proportional Band: 0.0~300.0% F.S
	Derivative Time : 0~900 sec.
	ON / OFF Control: Hysteresis 0~2000
Cycle Time (0~100)	Relay 15 sec.
	Current Output (SSR) 1 sec.
	Continuous Current (Voltage): 0 sec.
Output	Relay Contact Output: 10A/ 240 VAC (Resistive load)
	Pulsed Voltage Output to Drive SSR: DC 0/24V (Resistive 250 Ω min.)
	Current Output: 4~20mA; (Resistive 600 Ω max.)
	Continuous Voltage Output: 0~50mV; 1~5V; 0~10V..... (Resistive 600 Ω min.)
General	Rated Voltage: AC 100~240VAC 50/60Hz; DC 24V(★)
	Ambient Temperature: 0~50 $^{\circ}$ C
	Ambient Humidity: 0~90 %
	Consumption: Less than 3VA

Input		
Type	Temperature	Range
J	-50 $^{\circ}$ C ~ 1000 $^{\circ}$ C	-58 $^{\circ}$ F ~ 1832 $^{\circ}$ F
K	-50 $^{\circ}$ C ~ 1370 $^{\circ}$ C	-58 $^{\circ}$ F ~ 2498 $^{\circ}$ F
T	-270 $^{\circ}$ C ~ 400 $^{\circ}$ C	-454 $^{\circ}$ F ~ 752 $^{\circ}$ F
E	-50 $^{\circ}$ C ~ 750 $^{\circ}$ C	-58 $^{\circ}$ F ~ 1382 $^{\circ}$ F
B	0 $^{\circ}$ C ~ 1800 $^{\circ}$ C	32 $^{\circ}$ F ~ 3272 $^{\circ}$ F
R	0 $^{\circ}$ C ~ 1750 $^{\circ}$ C	32 $^{\circ}$ F ~ 3182 $^{\circ}$ F
S	0 $^{\circ}$ C ~ 1750 $^{\circ}$ C	32 $^{\circ}$ F ~ 3182 $^{\circ}$ F
N	-50 $^{\circ}$ C ~ 1300 $^{\circ}$ C	-58 $^{\circ}$ F ~ 2372 $^{\circ}$ F
C	-50 $^{\circ}$ C ~ 1800 $^{\circ}$ C	-58 $^{\circ}$ F ~ 3272 $^{\circ}$ F
DPT	-200 $^{\circ}$ C ~ 850 $^{\circ}$ C	-328 $^{\circ}$ F ~ 1652 $^{\circ}$ F
JPT	-200 $^{\circ}$ C ~ 650 $^{\circ}$ C	-328 $^{\circ}$ F ~ 1202 $^{\circ}$ 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

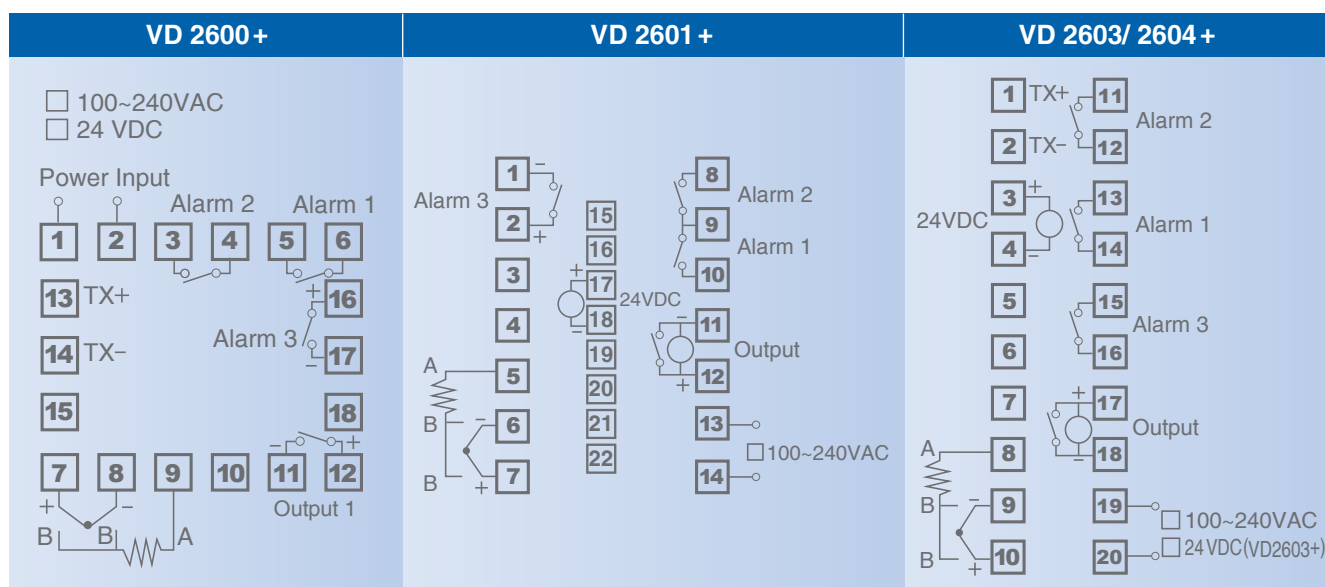


(Unit: mm)

PANEL CUTOUT :

Model	A	B	C	D	E	a	b	c	d
VD2600+	48	48	6	100	45	45 ^{+0.5}	45 ^{+0.5}	60	48
VD2601+	72	72	9	80	67	68 ^{+0.5}	68 ^{+0.5}	90	72
VD2603+	96	48	9	80	45	92 ^{+0.5}	45 ^{+0.5}	48	120
VD2604+	96	96	10	80	91	92 ^{+0.5}	92 ^{+0.5}	120	96

Wiring Diagram



Ordering Information

VD260 □ +

Size	Code	Input	Code	Control Output	Code	Alarm	Code	Control	Code	Option	Code	Power Supply	Code
48mmx48mm	0	T/C	T	Relay	R	1 Alarm	1	ON/OFF	O	None	N	100~240 VAC 50/60 Hz	A
72mmx72mm	1	PT100(RTD)	D	SSR	P	2 Alarm	2	P	P	retransmission	R	DC 24V(★)	D
96mmx48mm	3	0-60mV	L	4-20mA DC	M	3 Alarm	3	PD	D	RS-485(●)	C		
96mmx96mm	4	0-10V	V	0~10V	V								
		0-24mA	M										
		RS485	C										

(●) RS485 function is not available on VD2601+

(★) DC 24V is not available on model VD2601+ and VD2604+

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