VD2605 Low Cost Duel Channel Controller /Indicator

Feature:

Standard :
- Independent duel input channel.
- T/C, RTD, Linear input selection.
- P, PD, ON/OFF control mode selection.
- One alarm output with 8 different alarm functions.
- Auxiliary DC24V power supply to drive transmitter.
- Universal power supply : 90-264V AC, 50/60Hz.

Optional :
- 2nd and 3rd alarm are available.
- 4-20mA Process Value retransmission.
- RS-485 communication. (MODBUS RTU)
- Power supply : DC 24V

Applications : Indicator / Controller for Temperature, Humidity, Air-Conditioning, Gas Detector, DC Current/Voltage, Pressure ...etc. with retransmission, RS485

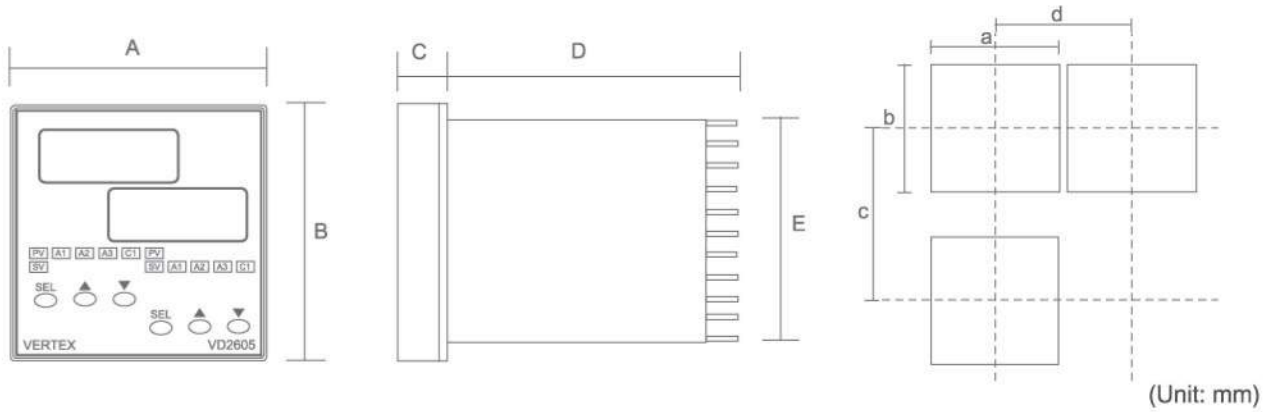
VD-2605

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℃; RTD±0.2℃; Linear±3μV
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 250Ω 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 90~264V 50 / 60Hz; DC 24V
	Ambient Temperature: 0~50℃
	Ambient Humidity: 0~90 %
	Consumption: Less than 3VA

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

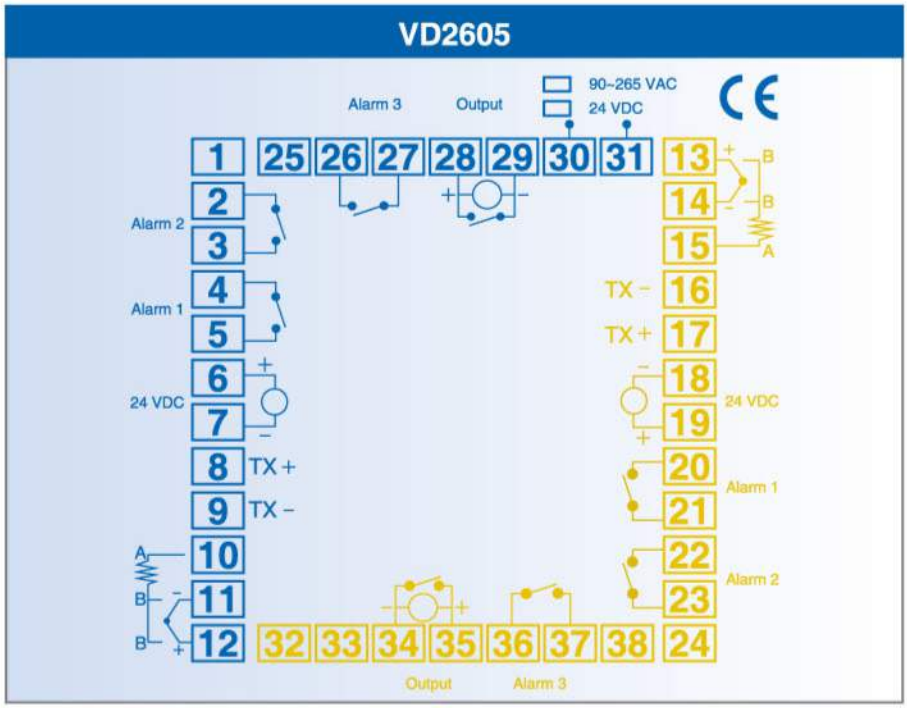


(Unit: mm)

PANEL CUTOUT :

Model	A	B	C	D	E	a	b	c	d
VD-2605	96	96	10	80	91	$92^{+0.5}$	$92^{+0.5}$	120	96

Wiring Diagram



Ordering Information

VD 2605 — 1 2 3 4 5 6 / 1 2 3 4 5 6

Input	1 1 Code
T/C	T
RTD	D
Linear	L

Output 1 (Heating)	2 2 Code
None	N
Relay	R
SSR	P
4-20mA DC	M
Continuous Voltage	V

Alarm	3 3 Code
None	N
1 Alarm	1
2 Alarms	2
3 Alarms	3

Control	4 4 Code
ON/OFF	O
P	P
PD	D

Selection	5 5 Code
None	N
RS-485	C
Retransmission	R

Power Supply	6 6 Code
AC90~264V 50 / 60Hz	A
DC24V	D