VM96 Valve Controller

The VM96 controller is intended for use in both open loop and close loop valve motor drive application with the LED bar indicator, the valve position can be easy to read at a glance.

Features :

- T/C,RTD,Linear input selection.
- Open Loop, Close Loop Control selection.
- Auto/Manual Bumpless Transfer.
- LED Bar indicator to show valve position.
- RS-485 communication with MODUBS RTU mode is available for option.
- Standby and Latch mode can be combined with 6 different alarm function.
- Two alarm output.
- Universal power Supply : 90-264V AC, 50/60Hz. DC 24V is also available for option.
- Fuzzy enhanced PID control.

Note1: 2nd and 3rd Alarm are available for option.

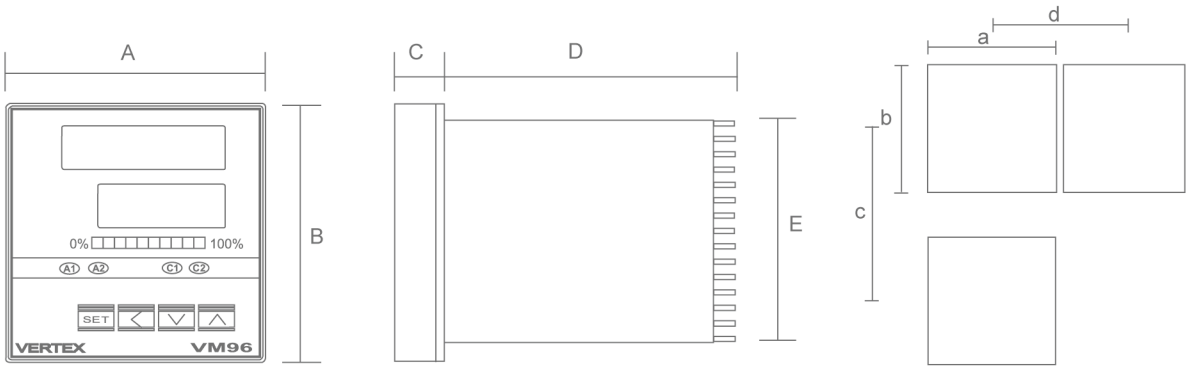
VM96

Specifications	
Input	Thermocouple: J. K. T. E. B. R. S. N.C
	RTD: DIN PT-100; JIS PT-100
	Liner: 4~20mA; 0~50mV; 1~5V; 0~10V...
Accuracy	T/C±1˚C; RTD±0.2˚C; Linear±3μV
Sampling Time	0.5 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
	Feed back potentiometer of valve≧250Ω
Valve Travel Time	0~1000 sec
Output	OPEN : Relay contact output: 5A/ 240 VAC (Resistive load)
	CLOSE : Relay contact output: 10A/ 240 VAC (Resistive load)
General	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

Dimension



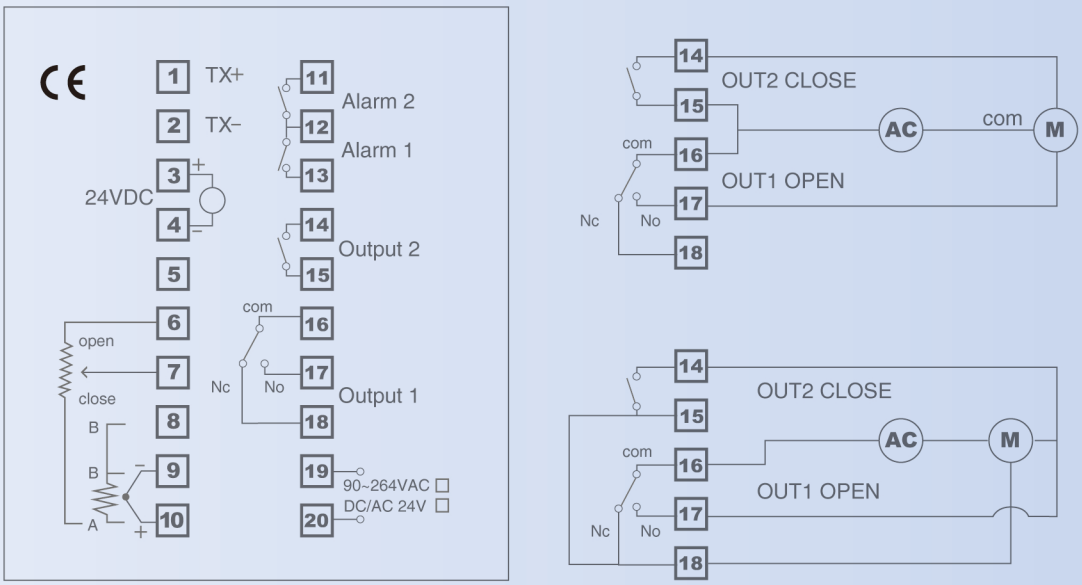
(Unit: mm)

PANEL CUTOUT :

Model	A	B	C	D	E	a	b	c	d
VM96	96	96	10	80	91	$92^{+0.5}$	$92^{+0.5}$	120	96

Wiring Diagram

VM96



Ordering Information

VD96 ☐ ☐ ☐ ☐ ☐ ☐

Feed Back	Code
Open loop	N
Close loop	F

Input	Code
T/C	T
RTD	D
Linear	L

Output 1 OPEN	Code
Relay	R

Output 2 CLOSE	Code
Relay	R

Selectuon	Code
None	N
RS-485	C

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