

VD Series Low Cost Temperature Controller

Feature:

- ▶ T/C, RTD, Linear Input selection.
 - ▶ P, PD, ON/OFF control mode selection.
 - ▶ Universal power supply : 90-264V AC, 50/60Hz. DC24V is also available for option.
 - ▶ 3 Alarm output. (Note 1)
 - ▶ Standby and Latch mode can be combined with 8 different alarm functions.
 - ▶ 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...
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 90~264V 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

