

# PID Controller Model CN40

- Low Cost with High Functional Value
- Auto Tuning to get automatic P.I.D. Values for improved control stability
- 4 Digits LED (PV & SV)
- Thermocouple / RTD field selectable
- Output Relay or SSR and Alarm Relay
- Various Event Functions
- Sensor Break Protection
- 100 to 240V AC Power Supply (-15,+10%)



Input	Thermocouple	K,J,T,E,R,N,S□W5Re/W26Re	
	R.T.D	Pt100 DIN JPt100	
Setting method	By front (up,down) keys		
Indication	PV	4digits 7segments LED green Letter 10mm height	
	SV	4digits 7segments LED red Letter 7mm height	
	OUTPUT/Event monitor	LED red : OUT	/ LED red : AL
Control output	PID Autotuning	Proportional band	0.1-300.0% Setting span
		Integral time	0-3600seconds
		Derivative time	0-3600seconds
		Cycle time	1-120seconds
	ON/OFF	Control sensitivity	0-Setting span
	Relay contact	250V AC 3A(Load resistance) 1a contact	
SSR drive	Ω0/12V DC upper 600		
Sampling time	0.5sec		
Setting and Indicating accuracy	Thermocouple :	(0.5%+1digit) of process value± or 4□,either of bigger numeral value is taken.	
	R.T.D :	(0.5%+1digit) of process value± or 1.2□,either of bigger numeral value is taken.	
Memory Element	EEPROM		
Voltage source	100V AC to 240V AC(50/60Hz)		
Weight	less than 170g		
Power Consumption	less than 10VA(240V AC)		
Operation Condition	0 to 50□ 20 to 90%RH(under non-condensation)		
Storage Condition	-25 to 70□ 5 to 95%RH(under non-condensation)		
Other functions	Control mode changable, C/F chengable		
	PV adjustable,Lock function by front keys		
Event function	Kind of event	21 kinds(Refer to event modes)	
	Relay contact	250V AC 3A(Load resistance) 1a contact	



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