



Special Features

- * High Accuracy($\pm 0.1\%$) with excellent Function
- * Multi Input : TC, RTD, DCV
- * Simultaneous and Multi output available in Max 4 Points
- * Easy Parameter and program pattern setting
- * Function to protect Over-Shoot
- * RUN/STOP Function in the external Input contact point
- * Display of Running status in Auxiliary Output
- * Large Program Capacity : 2 Patterns / 30 Segments
- * Variety of Auxiliary Output available(ex IS, TS, PEND etc)
- * Input Piece Bias Function(Max 4 zone)
- * Automatic PID Parameter Calculation
- * Variety of communication Protocols
- * Reliable quality(CE, CUL, ISO applied)

Division		Specification
Size		48(W) × 48(D) × 100(L) mm
PV/SP Data Display		each 4 Digits
Sampling Time		250ms
Indication Accuracy		$\pm 0.1\%$ of FS
Control Loops and Mode		Single-Loop Control
Running Mode		Program / Reset, 2 Zone PID
Number of Pattern		2 Patterns
Number of Segment		15 Segments X 2, Max 30 Segments
Sensor	PV Input	
	Type	T/C
		RTD
		DCV
		Universal Input (1 Point)
		K, J, E, T, R, B, S, L, N, U, W, Platinel II
		Pt100, JPt100
		-10 ~ 20mV, 0 ~ 100mV
		0.4 ~ 2.0VDC, 1 ~ 5VDC, 0 ~ 10VDC
Control	Control Output	
	Type	Time-proportional PID
		Continuous PID
		Universal Output (Max 4 Points)
		Relay, SSR(V-Pulse)
		SCR (4 ~ 20mADC)
Alarm	Capacity	
	Type	
	Inner Signal	
	Time Signal	
	Others	
		STD 1 Point / Max 2 Points
		20 Types (High/Low Temp Limit, Deviation Limit etc)
		2 Points (PV, SP, TSP)
		1 point
		1 Point (RUN, Pattern END, UP, DOWN, SOAK)
Retransmission Output		4 ~ 20mA (PV, SP, MV)
Digital Output	Capacity	
	Type	
		2 Points
		4 Types (RUN, Hold, Step, Reset)
Communication Protocols		PC-Link, MODBUS(ASCII, RTU), SYNC(Master, Slave)
Power Supply and Consumption		100 ~ 240VAC, 50 ~ 60Hz / Max 6W below
Model	Suffix Code	Description
SP540	-	Programmable Controller
Type	0	Standard
Power	0	100 ~ 240VAC
	1	24VDC
Options	/RS	RS422 / RS485
	/AOUT	Analog Output
	/SUB	Relay Output 1 Point
	/DI	DI 2 Points
	/DO2	DO 2 Points
	/DO4	DO 4 Points
Remarks	/AOUT /SUB /DO2 to be purchased separately /RS /DI to be purchased separately /DO2 /DI to be purchased separately	