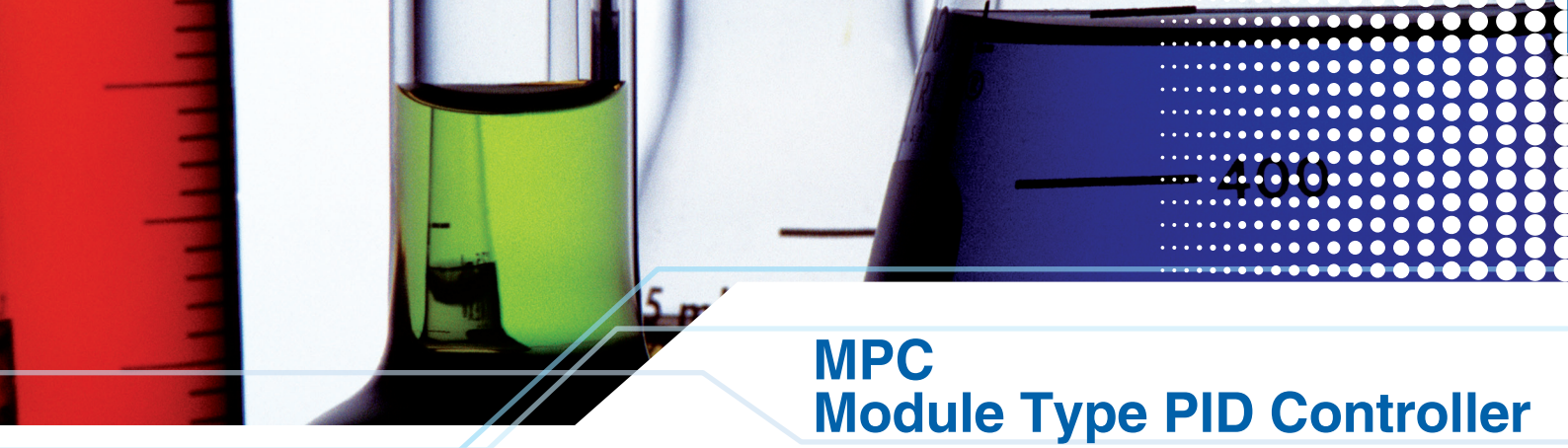


MPC
Module Type PID Controller

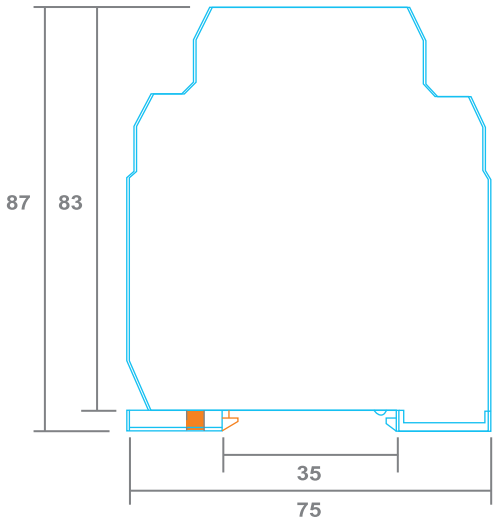
Feature:

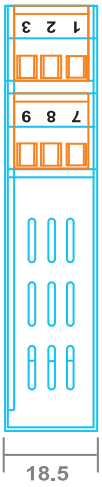
- DIN rail mounting, Compact size
- Universal input/output selectable
- 10 samples per second
- 4 independent LEVEL PID
- Ramp/Soak program (16 segments profile with loop / link / jump function)
- Soft-Start function
- Digital communication with MODBUS RTU Protocol
- All parameters can be easily configured by PC with URC-1020 interface cable or EzPro hand held programmer
- PV bias / PV ratio correction

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°C; RTD±0.2°C; Linear±3μV
Sampling Time	100 ms
A/D Resolution	16 bits
Control	Proportional band: 0.0~300.0% F.S
	Integral time: 0~4000 sec.
	Derivative time: 0~1000 sec.
Cycle Time (0~100)	Pulsed voltage to drive SSR: 1sec.
	Continuous current (Voltage): 0 sec.
Output	Pulsed Voltage Output to Drive SSR: DC 0/24V (Resistive load 250Ω min.)
	Current Output: 4~20mA; (Resistive load 600Ω max.)
	Continuous Voltage Output: 0~50mV; 1~5V; 0~10V..... (Resistive load 600Ω min.)
Output Resolution	0.6 μA(15 bits)
Output Response time	< 200 ms
Common Mode Rejection Ratio (CMRR)	> 80 dB
Electromagnetic compatibility	En 50081-2, En 50082-2
Galvanic isolation	3.75KV. between input and output
General	Power Supply: 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	

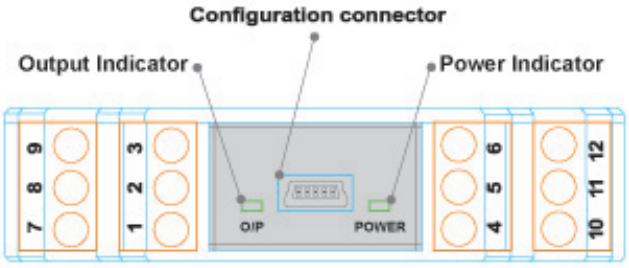
Dimension

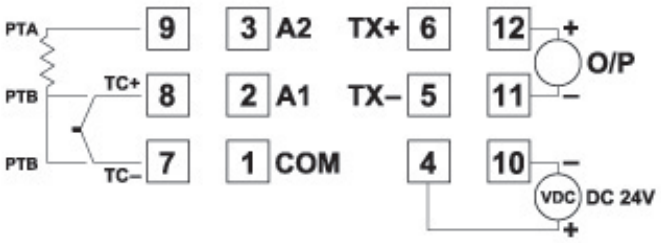




(Unit : mm)

Wiring Diagram





Ordering Information

MPC □ □

Input	Code
T/C	T
PT100(RTD)	D
0-60mV DC	L
0-10V	V
0-24mA	M

Output	Code
SSR	P
4-20mA	M
0~10V	V