

High-Temp Industries

Superior Quality
Comprehensive Services
Unequaled Value

Temperature and Process Controllers 2012

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www.high-temp.com

High Performance Digital Temperature and Process Controllers



All Sizes just \$99!

3 Year Warranty for Manufacturing Defects!

Compare to Athena, Omron and Omega!

High-Temp Industries offers a wide variety of $1/16$ DIN, $1/8$ DIN and $1/4$ DIN digital temperature and process controllers with simplistic interfaces that are preferred by most operators. All devices provide auto on/off, soft start, auto-tune for easy setup, advanced control algorithms to limit overshoot, fuzzy logic, multiple output configurations and have fully-programmable functions.

Specifications

Model	HTPID116	HTPID118	HTPID114
Size	$\frac{1}{16}$ DIN	$\frac{1}{8}$ DIN	$\frac{1}{4}$ DIN
Measurement	48x48mm	96x48mm	96x96mm
Power	AC 85-265V DC 24V		
Power Consumption	4VA		
Frequency	50/60Hz		
Memory	Power Disconnect Preserve Memory E ² Prom		
Input	Sensing Signal		
Sample Time	240mS with Display Accuracy of .2% of FS.		
Thermocouple	K, J, R, S, B, E, N, T, W, PL2, U, L		
RTD	DPT100, JPT100, JPT50		
Linear Current (mA)	4~20mA, 0~20mA		
Linear Voltage (mV, V)	0~1V, 0~5V, 0~10V, 1~5V 2~10V, -10~10mV, 0~10mV, 0~20mV, 0~50mV, 10~50mV		
Location for Decimal Point	0000, 00.0, 00.00, 0.000 (Input of Linear Current and Voltage)		
Output	Control Model (Heat or Cool Model)		
Relay	3A, 220V, Electric Life of 100,000 times or more under rated load.		
Pulse Voltage	Use for SSR ON=24V, OFF=0V, Largest Load is 20mA		
Linear Current (mA)	4~20mA, 0~20mA, Largest Load is 560Ω		
Linear Voltage (V)	0~1V, 0~5V, 0~10V, 1~5V 2~10V, -10~10mV, 0~10mV, 0~20mV, 0~50mV, 10~50mV		
First Group Alarm	3A, 220V, Electric Life of 100,000 times or more under rated load.		
Second Group Alarm	3A, 220V, Electric Life of 100,000 times or more under rated load.		
Third Group Alarm	3A, 220V, Electric Life of 100,000 times or more under rated load.		
Control Mode	PID, P, PI, PD, ON/OFF (P=0) and FUZZY		
PID Setting Range	P: 0~200% I: 0~3,600 (S) D: 0~900 (S)		
Insulation	Control Loop (Control Output, Alarm, Transit Output, and Input Loop)		
Insulating Resistance	Main Loop~Crust (Ground) DC 500V>10MΩ		
	Control Loop~Crust (Ground) DC50V>10MΩ		
Voltage Resistance	Main Loop~Crust (Ground) 1,500V per Minute		
	Control Loop~Crust (Ground) 1,000V per Minute		
Operating Environment	0~50°C @ 50~85% Relative Humidity		
Communication	RS232, RS484		
	Communication Rate 9600, 4800, 2400, 1200, 300, 110bps		
	Outset Bit 1, Stop Bit, Odd Parity		
Protection	Waterproof and Dustproof (NEMA A4)		
Weight	Approx. 150g	Approx 225g	Approx 300g

High-Temp Industries

Other Quality Products



Cartridge Heaters



Split Sheath Heaters



Cast in Coil Heaters



Platinum Heaters



Nozzle Heaters



Cast Heaters



Tubular Heaters



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PID Controllers



Thermocouples



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