


# CH Dual Display PID Temperature Controller

<b>4-Digit Dual Display, PID Temperature Controller.</b>	PID Temperature Controller
<p><b>STANDARD SPECIFICATION</b>  <b>Input:</b> Selectable between Thermocouple, Pt100, Current &amp; Voltage.  <b>Control:</b> Factory set to PID control. Easily programmed to On/Off control.  <b>Alarms:</b> Dual Programmable Alarm  <b>Output:</b> Relay Contact or SSR  <b>Power Supply:</b> 100/240 V AC or 24 V AC/DC            Fully programmable from the front fascia. 2-year warranty.  <b>Operating temperature:</b> 0 to 50°C Operating Humidity: &lt;80%</p>	
An economical fully programmable PID controller – OEM discounts available	

Specifications / Order Code			Dimensions (width x height x100mm deep)		
<b>Main Control</b>	PID or On/Off control which is fully programmable. The auto-tuning function enables the PID terms to be automatically calculated.	<b>F</b>	<b>Model</b>		
	Heat / Cool PID control	<b>W</b>	<b>CH102</b>	48mm x 48mm <b>1/16 DIN</b>	
<b>User Selectable Input</b> (Supplied factory set as Type K unless otherwise requested)	<b>Thermocouple Types</b> K, J, R, S, B, E, N, T <b>Resistance Thermometer</b> Pt100, Cu50 (Pt1000 available as special order) <b>Current/Voltage Inputs</b> (250 ohm resistor required) 0~20mA, 4~20mA, 0~5V, 1~5V	<b>K07</b>	<b>CH402</b>	48mm x 96mm <b>1/8 DIN</b>	
			<b>CH502</b>	96mm x 48mm <b>1/8 DIN</b>	
			<b>CH702</b>	72mm x 72mm <b>3/16 DIN</b>	
			<b>CH902</b>	96mm x 96mm <b>1/4 DIN</b>	
<b>Control Output</b> To be specified by customer.	Relay Output (Standard)	<b>M</b>	<b>Options Available</b>		
	Solid State Relay (SSR) Logic Output	<b>V</b>			
	Current Output – 0~20mA or 4~20mA Voltage Output – 0~5 V or 1~5 V	<b>8</b>			
<b>Alarm Output</b>	Dual Alarm supplied as standard, factory set as deviation high and deviation low. Fully programmable via front fascia High/Low, Process or Band Alarms, with or without hold function.	<b>AB</b>	Serial Interface	RS485, MODBUS/RTU Protocol	<b>C</b>
<b>Power Supply</b> To be specified by customer.	100-240 V AC 50~60Hz (Standard)	<b>7</b>	Power Output	24V DC output to power external transmitter	<b>V</b>
	21-48 V AC / DC Consumption: 4W (21 V AC/DC), 5W (48 V AC/DC)	<b>1</b>	Ramp Set Point	With Ramp Setpoint	<b>R</b>

<b>Order Code Example:</b>	Insert 'N' if feature is not required							
Model	Auto Tuning PID Control	Universal Input	Control Output	Dual Alarm (standard)	Serial Interface	24V cc Power	Ramp Set Point	Power Supply
<b>CH102</b>	<b>F</b>	<b>K07</b>	<b>M</b>	<b>AB</b>	<b>N</b>	<b>N</b>	<b>N</b>	<b>N</b>

