



TempGuard[®] Micro

Microprocessor Based Non-Indicating Temperature and Process Controls

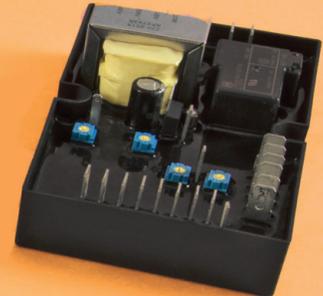
3.5" Square
Encapsulated



PID Control with
Independent High
Limit Circuit



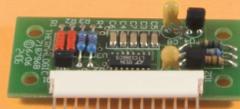
4.5" x 3.0"
Encapsulated



PID Control with
USB Communications



Miniature PID Controls



Direct DC Heater
Drive Control

PRODUCT FEATURES

Built to Order Philosophy:

- Per Customer Specifications
- Prompt Delivery
- Proven Designs
- Turnkey Solutions

Custom Designs:

- Inputs
- Outputs
- Power
- Interface
- Packaging
- Termination

Standards:

- RoHS Compliant Available
- NIST Traceable Calibration

PRODUCT SPECIFICATIONS

Inputs:

- RTD, Thermistor, Thermocouple
- Voltage, Current

Outputs:

- ON/OFF, Voltage, Current
- PID, Relay

Power Supplies:

- VDC, VAC, Universal, Ethernet, USB

Alarms:

- Relay, TTL, Voltage

Computer Communications:

- RS232, RS485, USB, Ethernet, CANbuss

Packaging:

- Open PC Board or Encapsulated
- Custom Styles

PRODUCT COMMITMENT

Built to Last:

- 4 Year Warranty
- Rugged Construction
- Durable Designs
- Wide Ambient Ranges Available
- Encapsulation Available
- Mil-Spec Components Available

Full Service Factory Direct:

- Sales
- R&D
- System Analysis
- Product Design
- Manufacturing
- Quality Control
- Warranty Support
- Customer Support

sales@thermalogic.com

800-343-4492

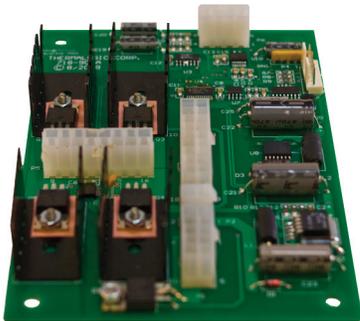
www.thermalogic.com

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TempGuard® Micro Non-Indicating Controls

Thermalogic specializes in efficient delivery of built to order controls. Our custom build philosophy offers solutions that are not readily available with many off-the-shelf products. Thermalogic can work from your drawings, sketches, descriptions, ideas or obsolete units to meet your exact control needs. Below is a representation of an almost infinite array of our custom controls. The specifications listed below are just a small sample of what is available. CUSTOM SPECIFICATIONS DO NOT MEAN LONG DELAYS.



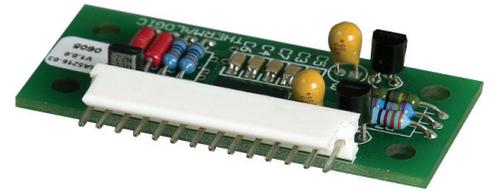
“H” Bridge Thermo-Electric Heating-Cooling Control

Packaging

- ◇ 3.2” x 2.3” Encapsulated
- ◇ 3.2” x 2.6” Encapsulated
- ◇ 3.5” Square Encapsulated
- ◇ 4.5” x 3.0” Encapsulated
- ◇ Custom Encapsulated
- ◇ Custom Open PC Board
- ◇ Vast Library of PC Boards
- ◇ Wall Mount Enclosure
- ◇ Custom Enclosure

Power

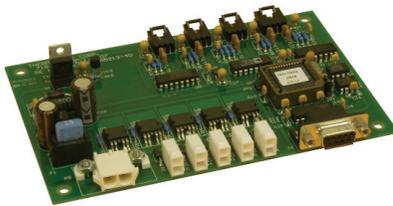
- ◇ Battery
- ◇ 120 VAC
- ◇ 208 VAC
- ◇ 240 VAC
- ◇ 480 VAC
- ◇ 24 & 48 VAC
- ◇ 3.3 to 48 VDC
- ◇ Power Over Ethernet
- ◇ 85 to 265 VAC Universal



Miniature PID Control with Computer Communications

Inputs

- ◇ Thermistor
- ◇ RTD
- ◇ Thermocouple
- ◇ Logic VDC
- ◇ Logic VAC
- ◇ Logic current
- ◇ Analog VDC
- ◇ Analog Current
- ◇ Frequency



Four Zone Temperature Control with RS 485

Interface

- ◇ Protocol Matching
- ◇ RS 232
- ◇ RS 485/422
- ◇ USB
- ◇ I²C
- ◇ CANbus
- ◇ Ethernet
- ◇ GPIB
- ◇ Modbus



Miniature Temperature Control with Integral Sensor on Custom PC Board

Outputs

- ◇ TTL level
- ◇ Relay
- ◇ PID
- ◇ Solid State
- ◇ Analog VDC
- ◇ Analog Current
- ◇ Triac
- ◇ FET
- ◇ Thermoelectric H Bridge
- ◇ Stepper Motor Control



PID Control Mounted in a DIN Rail Mount Package

Terminations

- ◇ Fast-Ons
- ◇ Terminal Blocks
- ◇ Euro Style Connectors
- ◇ Plug-in Connectors
- ◇ Locking Connectors
- ◇ Military Connectors
- ◇ Pigtail Wire Leads
- ◇ Custom Harnesses
- ◇ D SUB Connectors
- ◇ Right Angle Connectors



3.5” Square Encapsulated Multi Relay Output Control

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Design, Engineering, Manufacturing for OEMs & Volume Users

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