



Available From
Stock

ZESTA Benchtop Controller

FEATURES:

- Compact size
- Stackable unit
- Easy to setup and use
- Heat and Cool auto-tune
- Illuminated power on switch
- Visual alarm
- Fuses, mounted in rear panel for easy access
- Auto or Manual operation LED mode indicator
- Displayed in degrees °F or °C
- Load Status LED indicator (optional)
- Front panel lockout
- Ramp to set point
- Dual LED display
- User programmable menu
- Profiling (up to 40 steps)

- Small & Portable
- User Friendly
- Advanced Features

Zesta's Benchtop Controller is a precision microprocessor-based, single or dual zone temperature control panel. It is designed for today's demanding applications that require a compact foot print, robust design and advanced features.

Simple to program, yet loaded with powerful features the portable Benchtop Controller is small enough to take anywhere, making it ideal for most point-of-use applications.

The enhanced profiling version of the Benchtop Controller offers up to 40 automated steps, allowing flexible user programmability. Optional communications allows users to remote-configure, monitor, and/or datalog via personal computer (PC).

Custom-made Benchtop Controllers are also available. Please consult a Zesta sales representative for details.



The Benchtop Controller features a small footprint, and is stackable.



1-800-755-5418
www.zesta.com

SPECIFICATIONS

Power

- 120V (90-125 VAC), 50/60Hz
- 12A total or combined (15A fast acting fuse)
- 5ft power cord c/w 15A, 125VAC plug

Signal Input

Thermocouple, grounded or ungrounded.

- Accepts all standard size and miniature male connectors.
- Type J: -184 to 1832°F (-120 to 1000°C)
- Type K: -328 to 2498°F (-200 to 1370°C)
- Type T: -418 to 752°F (-250 to 400°C)

RTD, 2-wire or 3-wire

- PT100(DIN) -210°C to 700°C (-346° to 1292°F)
- PT100(JIS) -200°C to 600°C (-328°F to 1112°F)

• 0-1000Ω (*enhanced control only*)

Thermistor (*enhanced control only*)

- 0-40kΩ, 0-20kΩ, 0-10kΩ, 0-5kΩ
- 2.252kΩ and 10kΩ base at 77°F (25°C)
- Linearization curves built in

Universal Process (*enhanced control only*)

- Process, 0-20mA @ 100Ω, or 0-10VDC @ 20kΩ input impedance; scalable, 0-50mV, 0-1000Ω
- Process: -1999 to 9999 units

Output

- Solid state relay, zero cross, fast cycle times
- 12A, 125VAC receptacle (NEMA 5-15R)
- Resistive loads only

Alarm

- User programmable

Profiling (*enhanced profiling control only*)

- Automated process control
- Allows ramp/soak programming with 40 total steps

Operator Interface

- Dual 4 digit, 7 segment LED displays
- Advance, up and down keys, reset
- Optional programmable EZ-key (*enhanced control only*)
- On/Off button on front plate

Environmental

- Operating ambient temperature: 0°C to 40°C
- NEMA Type 1 Enclosure

Dimensions

- 3.875" x 7.20" x 8.00" (H x W x D)

Agency Approval

- CSA/UL508 NRTL/C, File No.LR91385



ORDERING INFORMATION

To order, complete the code number to the right with the information below:

ZCP 1 [] [] [] [] []

AC Power Input: _____
1 = 120V (90-125VAC), 50/60Hz

Temperature/Limit Controllers: _____
Single Zone
1 = Standard PID Control
2 = Standard PID + Limit Control
3 = Enhanced PID Control
4 = Enhanced PID + Limit Control
5 = Enhanced PID w/Profiling
6 = Enhanced PID w/Profiling + Limit Control
Dual Zone
7 = Two (2) Standard PID Controllers
8 = Two (2) Enhanced PID Controllers
9 = Two (2) Enhanced PID Controllers w/ Profiling

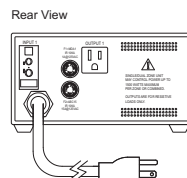
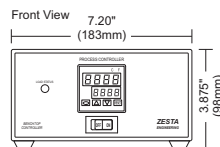
Input 1 (Process Temperature Sensor): _____
2 = 2 Wire RTD (PT100 DIN or JIS)
3 = 3 Wire RTD (PT100 DIN or JIS)
J = Type J Thermocouple
K = Type K Thermocouple
T = Type T Thermocouple
X = Other (T/C types B, E, N, R/S, PtII, or Thermistor. Consult factory)
Z = Process signal - Current or Volts (Consult factory)

Input 2 (Process/Limit Temperature Sensor): _____
0 = None
2 = 2 Wire RTD (PT100 DIN or PT100 JIS)
3 = 3 Wire RTD (PT100 DIN or PT100 JIS)
J = Type J Thermocouple
K = Type K Thermocouple
T = Type T Thermocouple
X = Other (T/C types B, E, N, R/S, PtII, or Thermistor. Consult factory)
Z = Process signal - Current or Volts (Consult factory)

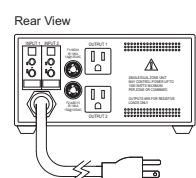
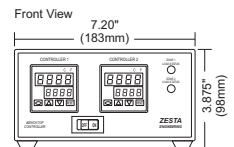
Current indicator (Optional): _____
0 = None
1 = Single Zone, Load Status LED
2 = Dual Zone, Load Status LED

Communications / Additional options: _____
0 = None
2 = EIA 232/485 Modbus® RTU
X = Custom Option (consult factory)

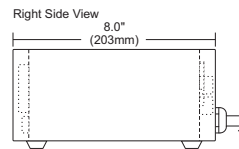
SINGLE ZONE



DUAL ZONE or SINGLE ZONE with HI LIMIT



DIMENSIONS



ZESTA ENGINEERING LTD.

Ontario (Head Office)
212 Watline Ave
Mississauga ON, L4Z 1P4
T: (905) 568-3100
F: (905) 568-3131
info@zesta.com

Québec
2337 rue Guénette
St. Laurent QC, H4R 2E9
T: (514) 334-4744
F: (514) 334-0834
quebec@zesta.com

Alberta
4754-14 Street NE
Calgary AB, T2E 6L7
T: (403) 291-1156
F: (403) 291-2630
calgary@zesta.com

British Columbia
55B Fawcett Road
Coquitlam BC, V3K 6V2
T: (604) 525-7071
F: (604) 525-7797
vancouver@zesta.com