



HOT - RUNNER SYSTEM



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T2 TEMPERATURE CONTROLLER

USER MANUAL



PRECISE
CONTROL



SIMPLE
DESIGN



EXTENSIVE
DIAGNOSTICS



POWERFUL
COOLING



FAST
DELIVERY



ABUNDANT
ALARM MESSAGES



LONG
WORKING LIFE



EASY
MAINTENANCE



T2 TEMPERATURE CONTROLLER

Description

T2 series, twin zone modular controller, packs a lot of features into a compact enclosure.

T2 provides all the advantages of a feature rich controller at an affordable price and is flexible enough to handle a wide variety of applications up to 96 zones of control.

Technical Features

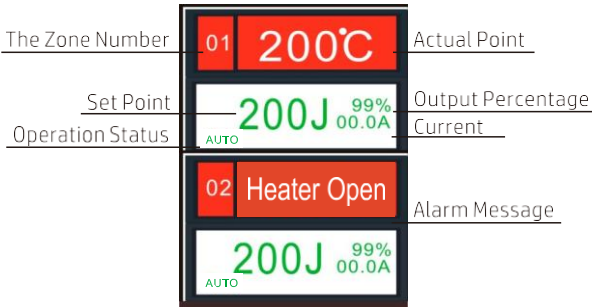
Supply: 110V~240V, 50/60 Hz

Output: 16A@230V, 3600W

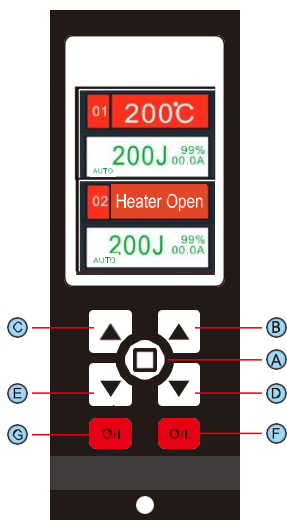
Temperature measurement: Thermocouple J (Fe Co) or K, 45~450°C, linearized accuracy 0.5%

Control: self-tuning or PID

Screen Display



Operation Panel



- A** Mode and Function Set Up key
- B** Up key for B zone
- C** Up key for A zone
- D** Down Key for B zone
- E** Down Key for A zone
- F** Power Switch for B zone
- G** Power Switch for A zone

Operation

1. Power on/off

- a. press the key to turn on A zone, press and hold the key to turn off A zone.
- b. Press the key to turn on B zone, press and hold the key to turn off B zone.

2. Increase/ decrease set point

- a. press the key to increase or decrease set point.
- b. press the key to increase or decrease set point.

3. Mode and function set up

- a. Mode status

Click **A** key, the corresponding zone number flashes on screen, press the key, cycle between manu-standby-auto, press and hold the key to save and exit.

Auto mode: Temperature Controller uses the input value to calculate the output needed to maintain the setpoint shown on the lower line. When entering Auto mode, if the process value is less than or equal to 93°C (200°F) Temperature Controller does a soft start.

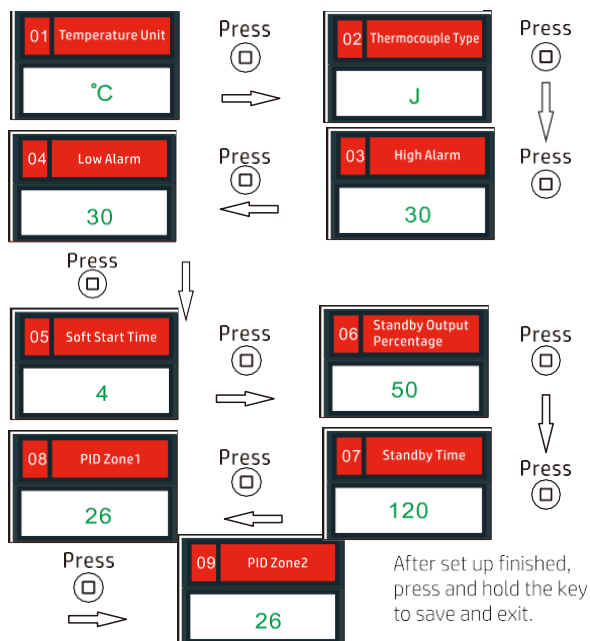
Manu mode: temperature controller output is the percent shown on the lower line. The process value is displayed, but not used to calculate the output. Without thermocouple, manu mode is control method, the default output setting will be set to 0%

Standby mode: It may be necessary to lower the temperatures in the mold for a period of time, without having to change the normal setpoint. You must specify standby output percentage and standby time, for example, the normal setpoint is 200 centigrade, standby output percentage is 50%, it means standby setpoint is 100 centigrade, standby time is 120 minutes, machine go back to auto mode when 120 minutes run out.

b. Function Set Up

Under auto mode, set up the functions as following directed
Hold  key for 1~2 seconds to enter function set up

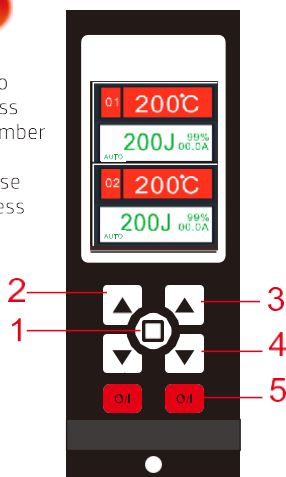
PARAMETER SET UP



PID Zone1/2 means PID tuning for zone 1/2. No need change P,I,D independently, only need increase or decrease the number.

Zone Number Setting

Turn the cabinet power on, no turn the board power on ,press key1, key 2 together, zone number display area flashes, then press key 3 or key 4 to increase or decrease number, then press key 5 to save and exit.



Set manual mode

If the control unit is connected to the thermocouples it starts in automatic mode

If the control unit is disconnected from the thermocouples it starts in manual mode

To switch from automatic mode to manual mode you need to:

1) Press the red button at the bottom to select the area where you want to change the mode



TO SET THE ZONE

2) Press the central white button with the square symbol and on the screen you will see that the function offers three options
AUTO – MANU – STANDBY



central white button
with to select the mode



3) As soon as the number identifying the zone stops flashing, press the up arrow to increase the percentage and the down arrow to decrease the percentage

number
identifying the
zone

up arrow to increase the
percentage
down arrow to decrease the
percentage

Alarm Message



Heater Open

TC Open

TC Pinched

TC Reversed

Triac Shorten

Fuse Open

High Alarm

Low Alarm

When Neutral line
wiring wrongly,
screen no display

TO SEE THE COMPLETE MANUAL, SCAN THE
QR-CODE



CONTROL UNIT BRC-T2

Annotations

