



Micropyretics Heaters International Inc.

# BPAN-2010 control panel

BPAN-O-2010 and \*BPAN-O-Plus-2010 models features:

### Circuit Breaker

The panel breaker turns off the power completely to the control panel. This allows the user to remotely control the primary power input from the main breaker to the panel.

### Independent Heater On and Off

The red and green off and on push buttons provide start and stop functions for the overall process by engaging or releasing the power contactor from the SCR. Please note: The panel and PID controller will remain on while no power output will be is sent to the heating device.

### Process Controller

A Porportional Integral and Derivative (PID) programmable controller provides accurate monitoring and control via feedback from a temperature sensing thermocouple. Users can also visually monitor the program progression and temperature on the LCD display.

The controller communicates directly with the ST9001 SCR located with in the BPAN-2010 control panel. The ST9001 provides smooth power ramping and temperature transitions with built-in phase angle firing and current limit features. These features provide dynamic response for temperature accuracy.

### \*Over-Temperature Controller

(Offered with BPAN-O-Plus-2010) Provides secondary process and heater protection against temperature over-shoot and run-away.

### Adjustable current limit

Field adjustable current limit feature to prevent over draw of amperage by heating elements.

### BPAN-O-Plus-2010™ control panel specifications:

The control panel houses switch gears ,fuses and circuit breaker and SCR with Current limit.

• Standard Controller: Eurotherm 2416CP Programmable (PID) temperature Controller for heating process.

Featuring:

- 1/16 DIN
- Digital display of setpoint and
- Temperature control.
- Adaptive tuning.
- Programming Capability : 1 program with 16 Segments
- Eurotherm 2132 Over temperature controller.

- MHI ST9001 single phase SCR
  - Advanced current limit
  - Soft start feature.

Wiring requirements 120/220 volts single phase @ 50/60 Hz. 25Amp Max. Current. Maximum power output is 6kW (@220Volts).

Dimensions: 8" H x 19"W x 7"D

Weight: 16lbs. (7.3kgs.)

