LYNX® *PID TEMPERATURE CONTROL SYSTEM*

The LYNX® Temperature Control System is a state-of-the art PID (proportional integral derivative) temperature control system comprised of up to 1024 zones. Each heater (zone) can be individually controlled and monitored. This provides users the ability to track each unit's performance. Monitor each zone from the full-color touchscreen, the highly visible indicator lights, a remote system, or via email alerts. Extraordinary features and benefits coupled with incredible versatility meet your process expectations with this unique temperature control system.

Features & Benefits

► 1:1 PID control to EACH heater

► Can be connected to CMS via Modbus

► Easy-to-use Operator Interface (OI) and Temperature Control Modules

► Can be used independently or as a system of up to 1024 zones of control

► Sends email alerts

► Idle mode option saves energy and time during maintenance

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Specifications

Temperature Control Range: 32°F to 1100°F (0°C to 593°C)

Display: Red LEDs show current temperature in °F or °C

Sensor Input: Type-J and Type-K Thermocouples; PT100-RTD

Accuracy:
– RTD: ±0.45°F + 0.125% of temperature in °F (±0.25°C +0.125% of temperature in °C)
– Type-J Thermocouple: ±1.96°F (1.09°C)
– Type-K Thermocouple: ±2.03°F (1.13°C)

Alarms: Multi-color LED display with highly visible viewing

Power Cord: Harnesses are sold separately; available in several lengths, with or without communications cable

Connections: Control modules require docking station (included with some heaters or separate harness for stand-alone use); see ordering information for options

Voltage: 100 to 277 VAC

Maximum Continuous Amp Load per Zone: 7 amps at 77°F (25°C) ambient; 4 amps at 104°F (40°C)

Maximum Continuous Amp Load per Power Harness:
12 amps (Power booster cables available to increase amps load per string)

Communication Method: Modbus RTU over RS-485. Cable is included on some power cord harnesses for communication to Operator Interface or CMS; Modbus TCP/IP connection on Operator Interface for communication to CMS

Communication Maximum Length: 98 ft (30 m)

Enclosure Dimensions:
– Operator Interface: 10.9 in W x 9.0 in H x 3.2 in D
  (276 mm W x 229 mm H x 81 mm D)
– Module: 1.95 in W x 2.97 in H x 1.7 in D
  (50 mm W x 75 mm H x 43 mm D)

Ambient Temperature Range: 32°F to 130°F (0°C to 54°C)

EASY WAYS TO ORDER

1. Contact your local distributor. Check BriskHeat.com to locate a local distributor.

2. Call BriskHeat® at 800-848-7673 or 614-294-3376. We have a staff of application specialists to solve your unique needs.

3. Order online at BriskHeat.com - 24/7.