

Fast Heat Hot Runner Temperature Controllers

Features	Brief Description	Benefits
Power Management System		
Evensoak	During start-up, an automatic process will ensure the tool is properly brought up to temperature.	Reduce the occurrence of flashing on a part. When combined with Softsoak technology, reduce the creation of cold slugs within the tool.
 Waterfall	At every startup, energy applied to all zones is completely managed to perform optimally in control and demand energy reduction.	Enable customer to use less energy operating controller during normal production runs.
Software		
Auto and Manual Slaving	Automatically "borrow" another zone's thermocouple to continue running the zone.	Reduce downtime and maintain productivity. Allow customer to resolve issue quickly.
Instant Diagnostics	A continuous diagnostic process that constantly monitors hot runner and self diagnostic parameters.	Allows customers to quickly certify the control temperature and meet ISO requirements. One touch of button.
 Fast Calibration	Ability to calibrate and certify 30 zones in less than 5 minutes without removing the controller from the production floor.	Simple preventative maintenance and enables customer to calibrate Fast Heat system in a timely manner.
 Fast Tune 2	Actively tunes each zone without having to perform any time-wasting tuning functions.	Instantly computes the optimum control parameters and constantly ensures that its setpoint is held constant during the fastest processes.
Bake-Out	Maximize heater life by baking out moisture within the heating element at every startup.	Reduce downtime. Protect tooling and heaters all year round.
File Storage	Actively store all parameter changes during production run.	Critical information is stored on controller. Operator does not have to hit a "save" button.
Hardware		
Thermocouple Rewire	Correct zone to zone wiring issues without having to replace wires.	Reduce downtime and keep tool in production. Autocomp will be enabled for T/C open and short. T/C reverse will correct itself and run.
Robust Technology	Fast Heat system able to withstand harsh Manufacturing environments.	Industrial design will prevent "glitches" or "hang-ups" that are associated with PC based systems.
All Modular Design	Operator can swap a module in a matter of seconds.	Simple maintenance. No manual needed. Allows customers to save money by purchasing replacement part only.
Tailored Solutions	Fast Heat can provide a customized solution for our customer's most demanding applications.	Fast Heat's core competence is precise temperature intelligence.
Safety and Security		
 Active Thermocouple Protection	Automatically monitors and reduces the amount of open thermocouple failures due to improper grounding.	Safety feature and reduce downtime. Added layer of protection behind fuses. Protect T/C junction and board from overvoltage transient.
Module Arc Protection	Utilizes anti-arcing technology to protect electronics when modules are accidentally removed or inserted under power.	Prevent costly downtime by significantly reducing operator error inserting or removing modules under power.
Security	Eliminate personnel errors by controlling which parameters can be changed by company resources.	Reduce failures and changes to temperature set points. Can control specifications, settings, and access levels.
Reporting	Printed reports conform to Quality and ISO standards, including error history and offline problem solving.	Allow customer to print reports for Quality control systems, ISO tracking, error history, and offline problem solving and troubleshooting.
Pulse II Controller Series		
Maximum Power	Ability to quickly increase the temperature on a particular zone.	Prevent material degradation through a "maximum energy throttle" on each zone of control.
At-Temperature Output and/or Softsoak	Softsoak combined with AtTemp output ensures the injection molding machine will not cycle material until the predetermined Softsoak time has timed-out.	Reduce material waste and improve efficiency.
Volt/Ohm Display	Volt and Ohm information is included on display for each zone.	Provide operator with additional information for each zone.
Inputs/Outputs	Designed to easily interface to just about any piece of equipment or system.	Interactions range from alarm monitoring systems to automated system integration.

 **Unique Feature to Fast Heat Hot Runner Temperature Controller**

Fast Heat – Serving the Plastics Industry for over 50 years.

