

Advantages of Pulse over Modular Mainframe Controls

Auto Bake-Out	- Prolongs heater life
Auto Evensoak – sequence up to 6 groups from zero to set-point	<ul style="list-style-type: none"> - Proper mechanical expansion protects tool from wear and leaking - Reduces material degradation - Lowers start-up Amperage draw - Reduces gate drool and spitting
Auto Softsoak	- Allows system to soak while at temperature ensuring material viscosity is optimal and mechanical seals are in place
Max Power	- Limits % Power when power supply is limited or if time allows for the savings
Auto Diagnostics	- Instant Alarm of t/c and heater circuits without having to push a “test” button
Active Thermocouple Protection	<ul style="list-style-type: none"> - Automatically protects thermocouples from ground leakage - Filters excessive noise for a cleaner more accurate signal
Thermocouple Rewire	- Designate a t/c to the correct zone if it is mis-wired
I/O Contact Relay Communications	<ul style="list-style-type: none"> - Detect heater failure with Amp Alarm - Detect leaking with % Power Alarm - Prevent cold-shooting with At-Temperature Signal - Automatic Run, Stop, Boost & Idle - 4-outputs for all alarms
Security	- Re-assign thermocouple designation to the actual re-wiring can be done later
Slaving	- Automatically or Manually control a zone from another
Easy-Cal	- 2-point NIST calibration using off the shelf volt meter
Oversized Triac	- Significantly less module repair
Secondary Cut-off Relay	- Prevents run-away heat
Anti-Arcing	<ul style="list-style-type: none"> - Less module repair - Less mainframe repair
Waterfall	<ul style="list-style-type: none"> - Part Quality Improvement through less KW Demand - Variation and Constant Tuning PID - Lower KW Demand allows smaller amp service and saves electric costs in certain environments
Remote Mount Display	- Saves critical floor space by mounting the cabinet away from the press while providing the user interface right next to the injection molding machine interface
Recipe Storage	- Save all system and zone settings for ease of start-up

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