



EDGE PLUS TOUCHSCREEN HOT RUNNER TEMPERATURE CONTROL SYSTEM

USER INTERFACE:

- Full Color High Resolution 8" (13, 24, 36 & 48 zone) or 10.1" (72 & 120 zone) Wireless Screen with Remote Mounting capability
- Remote monitoring through wifi network using included program
- If the interface fails, the system will still control temperatures
- Intuitive Interface with Control Panel Design
- Fully Customizable Mold Profiles - Give each mold its own profile for easy changeouts
- SPC Data Logging
- Reporting Utilities and Printing
- Unlimited Storage of Mold Profiling
- User Level Security
- Emergency Alternative Interface (Requires a PC running Windows XP or Windows 7)
- Degrees C or F (User Selectable)
- Auto Grouping - Intelligent automatic grouping of controllers after startup
- Manual Grouping

INTELLIGENT DESIGN:

- Full Modular Controller Cards - Hot Swappable
- Intelligent Diagnostics Mode - Power and T/C Wire Testing
- Algorithmic Compensation for Any Heater Type (Adaptive PID Control) with High Speed Execution
- Power Output Control - Phase Angle, Zero Cross or Phase Control
- Standard Operating Modes - Soft-Start, Manual, Auto, Standby & Boost
- Auto Slaving - Controller receives thermocouple information from another controller in the same group to continue without interruption.
- Bumpless Transfer - If a controller was not grouped and the thermocouple fails, the controller will use the average % power it recorded to maintain temperature.
- Autotest Maximum Heater Current - Automatically detects and sets the maximum heater current
- Even Temperature Rise - Controlled heater temperature rise to within 20°F across all zones
- Emergency Start without interface (in case of interface failure as long as proper shutdown procedure is followed)

CONSTANT MONITORING:

- Automatic Frequency Detection
- AC Input Voltage Display
- Current Monitoring
- Resistance and Wattage Monitoring
- Thermocouple Noise Monitoring
- Full Report Capabilities - Alarm History, Temperature & Variation, and User System Change Reports

FAULT DETECTION ALARMS:

- Over Temperature Alarm (adjustable)
- Under Temperature Alarm (adjustable)
- Thermocouple Alarms: Open, Shorted & Reversed T/C
- Heater Power Alarms: Open, Shorted & Heater Runaway
- Open Fuse Detection
- Heater Resistance & Wattage
- Over Current

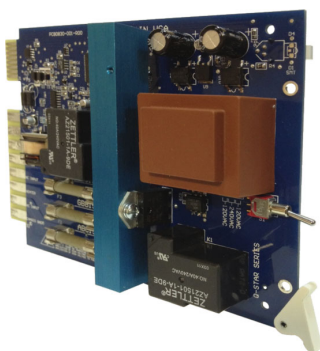
PROTECTION FEATURES:

- Over Current Protection
- High Voltage T/C Circuit Protection
- Fused AC Inputs (Both Legs)
- Output - High Speed Fuse
- Shutdown Mold Machine on Critical Failure Via Relay
- System AC Input Circuit Breaker

INPUT/OUTPUT:

- Remote Standby Input - Sends controllers into standby mode when activated
- External Relay Output - Relay closes on user selectable alarms
- Audible Siren Alarm
- Red LED Light Alarm

15 AMP EDGE PLUS CONTROLLER CARD*



INTRODUCTORY SALE

Part No. QE-15

1-11 ~~\$250.00~~

12+ ~~\$235.00~~

\$225⁰⁰ ea.

* Order 1 card per zone of control required.
Use only with EMF Mainframes.

PERFORMANCE

Control Accuracy: ±0.1°F (±0.05°C)
Process Sampling: < 3ms
Power Response: < 100ms

INPUT SPECIFICATIONS

Thermocouple Type: Type J (Standard)
(Grounded and Ungrounded) Type K (User Selectable)
Protection: Fused
Diode Clamp
RC Filter
Operating Range: 0 - 1200°F (0 - 648°C)
CMRR: > 100db

ELECTRICAL

Input Voltage: 208-240VAC
Frequency: 47-63Hz (Autodetected)
Module Ratings: 15 Amps/zone
3600 Watts/zone



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