HOT RUNNER CONTROLLER

Integrating Plastic Technologies Since 1965

DXC-TC

Smarter Controls Increase Uptime

The DXC-TC hot runner temperature controller works to keep a constant desired temperature by detecting the state of the hot runner system by use of an intelligent computer chip. The computer will process the internal data and then output the current value in proper proportion so as to achieve temperature control.

Hot runner controls from Hamilton Plastic Systems offer a unique blown fuse notification feature. The control indicates when a fuse is blown, allowing for quick repair.

An amps feature allows the user to check on heaters to see if they are about to fail or have failed.

Hamilton's hot runner controllers also feature cards that are universally compatible with other hot runner control systems.

Hamilton Plastic Systems has control cards, mainframes and complete systems that are carried in stock for prompt repair service of your controls.

The controls come with 10 foot long cables in a DME standard configuration. Custom configurations and cable lengths are available. Mobile carts are an option for ease of movement from machine to machine.

Features & Benefits

- Blown fuse indication
- Detects the amps drawn from heater
- Soft start function for smooth start-ups and to dehumidify
- Mold Doctor software for troubleshooting
- Heater output short protection
- Detection of reverse and open circuit of TC
- Low/High temperature deviation alarms
- All Standard size designs: 2,5,8 and 12 zone cabinets available

Hamilton Plastic Systems
Mississauga, ON L4Z 1T5
905-890-0055 • 1-800-590-5546
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Hot Runner Controller DXC-TC

Technical Specifications:

Power Input	220V AC ± 20%
Output Power	3600W, 15A / 240V
Power Consumption	3W, Single Card
Input Resistance	33M
Temperature Unit	°C or °F
Temperature Testing Range	0 to 535°C or 32 to 999°F
Temperature Control Scope	45°C to 550°C
Working Temperature Range	0 to 50°C
Transmit Temperature	-40°F to 158°F (-40°C to 70°C)
Temp Stability	±0.5%
Testing Accuracy	±0.2% SPAN
Control Accuracy	±0.2% SPAN
Relative Humidity	10% - 80%
Sensor Type	Thermocouple (J or K)
Output Drive Component	SCR
SCR Touch Way	Auto-tuning and Phase Angle
Control Arithmetic	FUZZY + PID
Temperature Display Way	Double 4 Digitron
Heater Dissipation	External Radiator + Cooling Fan
System Grounding Insulation Voltage	1200V DC
TC Cooling Compensation	Dynamic Tracking
Noise Rejection	CMMRR>100DB
Sampling Frequency	10Hz (100mS)
1 Point Load	15A, 3500W/220V or 1650W/110V
F1,F2	250V-15A (Special Fuse)
F1A, F3	250V-1A
Output Type	PWM, SSR

98.500.HRCC

98.500.HR12

Available Products:

98.500.HRC1	**1 Zone**
98.500.HRC2	**2 Zones**
98.500.HRC5	**5 Zones**
98.500.HRC6	**6 Zones**
98.500.HRC8	**8 Zones**
98.500.HRC12	**12 Zones**
98.500.HRC24	**24 Zones**
98.500.HRCC	**Universal Cards**

*Custom Sizes Available Upon Request

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Representative: