ASPIRE TEMPERATURE CONTROLS, HEATERS AND MOULD SOLUTION.

Product Introduction

Product Name: Hot runner temperature controller

Model: TG-Series

Product Features：
If the touch screen is damaged, it can still be turned on and used normally.

Energy metering functi on and power display.

Advantage

Energy metering functi on and power display.

A single unit can support up to 128-zone control.

With online fault detection function, the equipment runs stably.

One-card-one-control stable system.

Dual - screen control mode for continuous use.

The parameter setting is simple, and the equipment is stable and reliable.

Specifications and parameters	Technical indicators
1.Control the temperature difference ±0.5%	1.Color screen display
2.Cold-end compensation error: ⩽ ±1℃	2.Chinese/English text alarm information
3.Temperature control range :K/J thermocouple (0- 450°C)	3.Current and current output ratio display
4.Single zone output power: 3.3kW	4.Fuse damage display
5.Maximum output current of single zone: 15A	5.Thermocouple/hearter fault detection
6.Alarm temperature range: 0-100°C free set	6.Customization of electric energy measurement function
7.Applicable thermocouple model: K/J	7.Fully industrial-grade electronic components
8.Working power supply: AC220V(380V) or according to the country	8.Linear voltage controller output to better protect the heater
9.PIDD digital adjustment	9.Phase loss/overvoltage alarm
10.Working environment: -10°C-60°C /relative humidity 35-85% RH	10.8-inch touch screen control (optional)
11.The maximum number of control zones for a single device: 128 zones	11.RS485 communication interfac or other software customization(optional)

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The first knob-operated temperature control module display

When the touch screen is not used, the temperature and other operations can be set by rotating the knob on the local temperature control module. The LCD display screen of the local temperature control module adopts full Chinese/English display, and the screen displays the temperature control serial number, thermocouple type, current, current output proportion, running status and fault information. There are operation knobs, power status indicator lights and communication indicator lights on the panel, and the temperature control module can be interchanged between any temperature control zones.

TG-4 TG-6 TG-8 TG-12

Convenient and feature-rich touch screen operating system

For convenience and to make the buttons more in line with the pressing habits of the hand, a single page displays 15 zones, and a single cell displays the control of one temperature control zone. On the page, individual temperature control zones can be turned on or off, displaying the temperature control zone serial number, actual temperature, set temperature, running status, fault and alarm prompt information, copy loop, mold type, current and current output proportion, screen lock function, global temperature setting function, Half-temperature (keep warm) function, and temperature copying function.

TG-36T TG-42T TG-48T TG-50T TG-70T

Product size

model	TG-12T	TG-24T	TG-36T	TG-42T	TG-60T	Screen expansion
L(cm)	32	45	45	45	55	
W(cm)	24	45	45	45	45	
H(cm)	33	70	93	107	112	20-60Matching base

MTC-H series

ASPIRE TEMPERATURE CONTROLS, HEATERS AND MOULD SOLUTION.

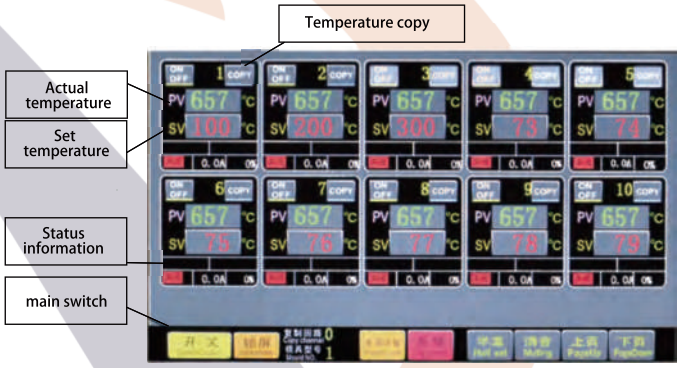
Product Introduction

Product Name: Hot Runner Temperature Controller

Model: MTC - H Series

- Compact and exquisite, highly integrated
- Touch - screen display
- Color screen display in Chinese/English
- One module controls two zones
- Rich in practical functions
- Modules can be replaced flexibly

Convenient touch - screen operation interface



Design of base rollers

It's more convenient for moving and handling.

Advantage

A single unit can support up to 128 zones of control.

It features a stable one - card dual - control system.

With simple parameter settings, the equipment is stable and reliable.

Equipped with an online fault detection function, the equipment operates stably.

Specifications and parameters	Technical indicators
1.Control the temperature difference ±0.5%	1.Color screen display
2.Cold-end compensation error: ⩽ ±1℃	2.Chinese/English text alarm information
3.Temperature control range :K/J thermocouple (0- 450°C)	3.Current and current output ratio display
4.Single zone output power: 3.3kW	4.Fuse damage display
5.Maximum output current of single zone: 15A	5.Thermocouple/hearter fault detection
6.Alarm temperature range: 0-100°C free set	6.Customization of electric energy measurement function
7.Applicable thermocouple model: K/J	7.Fully industrial-grade electronic components
8.Working power supply: AC220V(380V) or according to the country	8.Linear voltage controller output to better protect the heater
9.PIDD digital adjustment	9.Phase loss/overvoltage alarm
10.Working environment: -10°C-60°C /relative humidity 35-85% RH	10.7-inch touch screen control (optional)
11.The maximum number of control zones for a single device: 128 zones	11.RS485 communication interfac or other software customization(optional)

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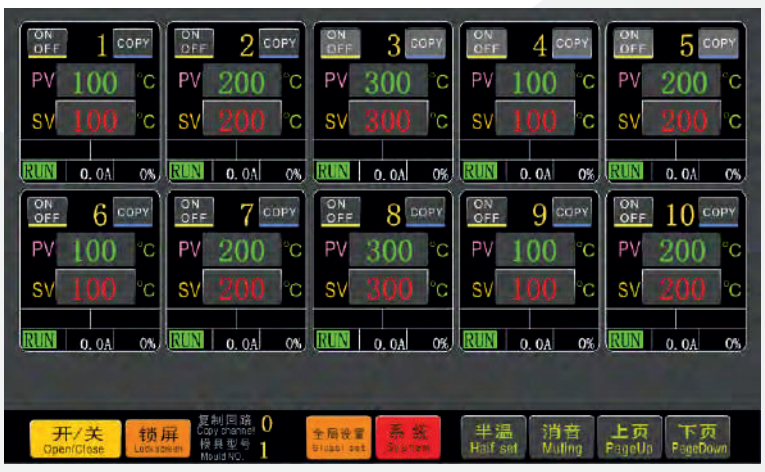
Foldable display screen

Foldable screen design, touch screen operation interface can display 10 temperature control zones on a single page, with each cell displaying control for one temperature control zone. On the page, individual temperature control zones can be turned on or off, and information displayed includes the temperature control zone number, actual temperature, set temperature, operating status, fault and alarm prompts, copy circuit, mold model, current and current output ratio, lock screen with global temperature setting function, Half-temperature (keep warm) function, and temperature copy function.

Product details



MTC-I series

ASPIRE TEMPERATURE CONTROLS, HEATERS AND MOULD SOLUTION.

Product Description

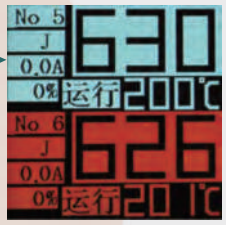
Product Name: Hot Runner Temperature Controller >>

Model: MTC-I series

Function analysis:

- Fuse damage detection
- Thermocouple abnormal prompt
- Over-temperature power-off protection
- Power supply wrong protection
- Alarm prompt function

A module displays A and B two temperature control zones



Scope of use:

> Hot runner molds, various plastic molds, heat treatment equipment, etc.

Advantage

Chinese/English color screen display

Small and exquisite, highly integrated

One module controls two temperature control zones.

Parameter setting is simple and the equipment is stable and reliable

Stable system with one card and dual controls

Modular design

Precise temperature control, misalignment protection

Specifications and parameters	Technical indicators
1.Control the temperature difference ±0.5%	1.Color screen display
2.Cold-end compensation error: ≤ ±1℃	2.Chinese/English text alarm information
3.Temperature control range :K/J thermocouple (0- 450°C)	3.Current and current output ratio display
4.Single zone output power: 3.3kW	4.Fuse damage display
5.Maximum output current of single zone: 15A	5.Thermocouple/hearter fault detection
6.Alarm temperature range: 0-100°C free set	6.Customization of electric energy measurement function
7.Applicable thermocouple model: K/J	7.Fully industrial-grade electronic components
8.Working power supply: AC220V(380V) or according to the country	8.Linear voltage controller output to better protect the heater
9.PIDD digital adjustment	9.Phase loss/overvoltage alarm
10.Working environment: -10°C-60°C /relative humidity 35-85% RH	
11.The maximum number of control zones for a single device: 128 zones	

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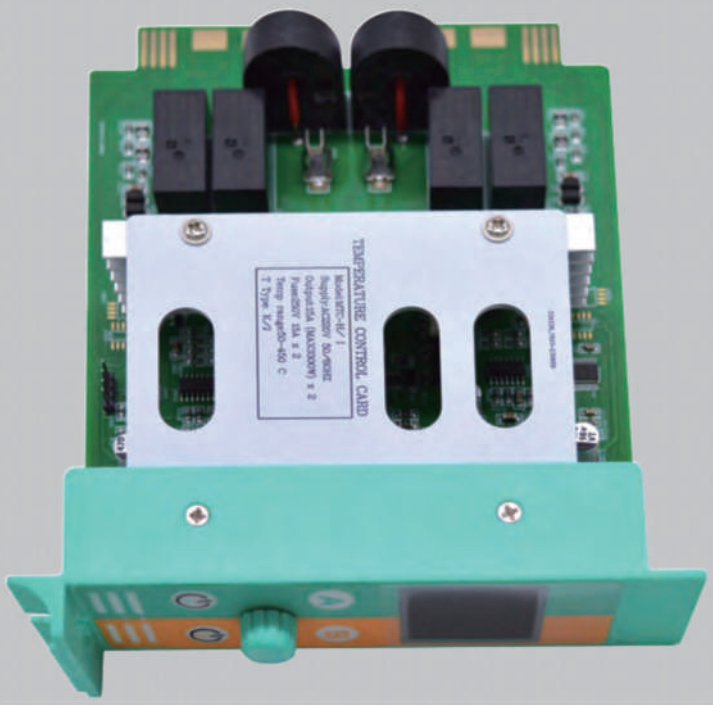
Knob type operating temperature control module display

The temperature and other operations are set by rotating the knob on the temperature control module. The LCD display of the temperature control module adopts full Chinese/English display. The temperature control serial number, galvanic model, current, current output ratio, operating status and fault information are displayed on the screen. There are operating knobs, power status indicators and communication indicators on the panel. Temperature control modules can be interchanged between any temperature control zones.

The use of one-card dual-control control mode reduces the size of the machine by 50% compared to similar products, making it highly integrated and compact. Exquisite, the internal design uses dual interfaces and dual card holders to achieve a stable temperature control mechanism.

Module details



ASPIRE-0B series

ASPIRE TEMPERATURE CONTROLS, HEATERS AND MOULD SOLUTION.

Product Description

Product Name: Hot Runner Temperature Controller >>

Model: ASPIRE-0B series

Advantages

Energy metering function and power display.

IPS Full Color Display Screen.

Active protection against incorrect heating and temperature sensing connections.

Fault display in Chinese/English, clear at a glance.

Temperature waveform chart, displays temperature control status.

Optional electric energy metering function, monitors energy consumption.

Specifications	Technical indicators
1. Temperature control accuracy: ±0.5%	1. IPS color screen display
2. Cold junction compensation error: ≤±1° C	2. Chinese/English information alarm
3. Temperature control range: 0-500° C	3. Current and output ratio display
4. Single zone output power: 3.3KW/zone	4. Fuse damage prompt
5. Single zone maximum output current: 15A	5. Thermocouple/heating tube fault detection
6. Alarm range: 0-100° C free setting	6. Overvoltage alarm
7. Applicable thermocouple types: K, J type	7. Full industrial grade electronic components
8. Working power supply: AC220V (three-phase four-wire 380V)	8. Linear voltage control output, better protection of heating tube
9. Digital PID adjustment	9. Thermocouple and heating misconnection protection function
10. Working environment: -10° C-60° C relative temperature 35%-85% relative humidity	10. Temperature waveform display
11. Chinese/English bilingual switch	11. Electric energy metering function, real-time understanding of energy consumption

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IPS color display screen - text display is easier to understand

The temperature control card adopts a high-resolution IPS full-color LCD display, making it simpler for users to set up without needing an instruction manual to operate. Status information such as heating faults, thermocouple faults, current, output ratio, and the menu bar are all displayed in text, with free switching between Chinese and English.

High-precision temperature control and universal interface - seamless adaptation to other brands

Equipped with a high-precision temperature control system, which significantly reduces the defect rate of injection-molded products.

The temperature control card uses an internationally universal interface (gold finger), which can be seamlessly adapted to other brands without any loss.

Universal Interface

Temperature Test

SVGE-8 Oil and Gas Universal Sequence Controller

Product Introduction

Product Name: Sequence Controller

Product Model: SVGE-8

Features

Oil valves and gas valves are interchangeable.
Single-loop opening or closing is available.
Touch screen display for easy operation.
Manual opening or closing of solenoid valves is possible.
Supports two-stage or four-stage time setting.

Oil and gas general

Parameter

Power Input: 200~240V AC 50/60Hz
Signal Input: DC24V or switch input (selectable at the factory)
Time Range: 0.00~99.99 seconds
Control Groups: 8 zones
Output Voltage: 24VDC or 220VAC

Status bar information		Product configuration	Solenoid valve control connection line connection diagram
disable	disable		
Close the valve	The valve is closed	1. Host	
Manual	Manually open the valve	2. Device power cord	
Delay1	Delay period1	3.7 or 8 inch touch screen	
Open the valve1	Open valve period1	4. Trigger signal connection cable	
Delay2	Delay period2	5. Solenoid valve control connection line	
Open the valve2	Open valve period2		

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Time Period Control Interface

Two-time periods:

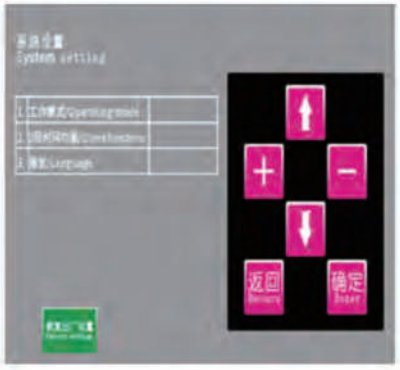
T1, T2 (T1 is the delay time, T2 is the injection time)

Four time periods:

T1, T2, T3, T4 four time segments

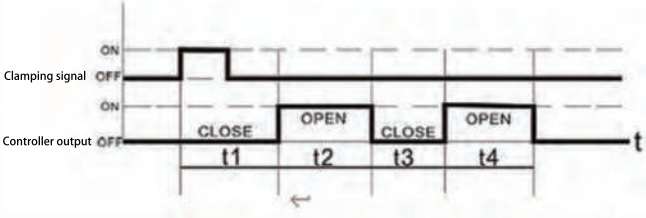
(T1, T3 are delay times, T2, T4 are injection times)

Settings interface

(1) Injection time setting	(2) Delay time setting	(3) System Settings
		

Trigger Signal Mode

Pulse mode



Hold mode