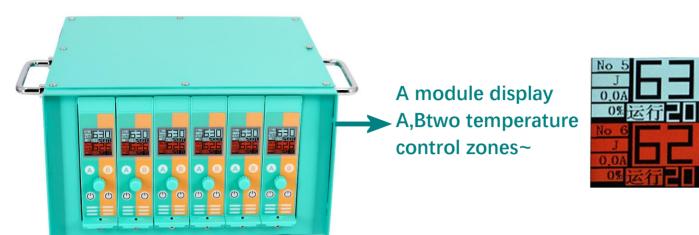
TC-I series hot-channel temperature control box uses Langshu.

Professional manufacturer of hot duct temperature control box

One-card dual control, highly integrated

I. product introduction

Model: MTC-I series



Functional analysis:: fuse damage detection Over-temperature power-off protection

Thermocouple abnormality prompt Power supply error protection.

Alarm prompt function

Scope of use: hot duct molds, various plastic molds, heat treatment equipment, etc.

- II. Advantages 1. Chinese/English colorscreen. integrated.
 - 2. Small and exquisite, highly
 - 3. One module controls two temperature control areas.
- 4. The parameter setting is simple and the equipment is stable and reliable
- 5. One-carddual-control stability system 6. Modular design
- 7. Jinghuai temperature control, dislocation protectione

Specifications and parameters	Technical indicators
1.Control temperaturedifference; +1°C	1.color screen display
2.Cold-end compensation error: ≤+1°C temperature coefficient	2.Chinese information alarm
3.Temperature control range K-type force thermoelectric 0-450°C	3.Current and output ratio display
4.Total output power: 66KW (maximum)	4.Tips for fuse damage
5.Single maximum output current: 15A	5.Thermal and electrical fault detection
6.Alarm Fan Guo: 0-100°C free setting	6.Heating pipe fault detection
7.Suitable for thermocouple model K, type	7.All-industrial electronic components
8. Working power supply AC220V (three-phase four-wire 380v)	8.Linear voltage control output for better
9. Digital PID adjustment	protection Heating pipe
10. Working environment: -10°C-60°C relative temperature,	9. Overvoltage alarm
35% -85% relative humidity	10. Chinese/English color screen display
11.The maximum number of control circuits in a single unit 128	

III. Knob-type operation temperature control module display

The temperature and other operations are set on the temperature control module by rotating the knob. The LCD display of the temperature control module is displayed in full A/central text. The temperature control serial number, thermocouple model, current, current output ratio, operation status and fault information are displayed on the screen. There are operation knobs, power status indicators and communication indicators on the panel. The temperature control module can be used in any temperature control area. Interchange.

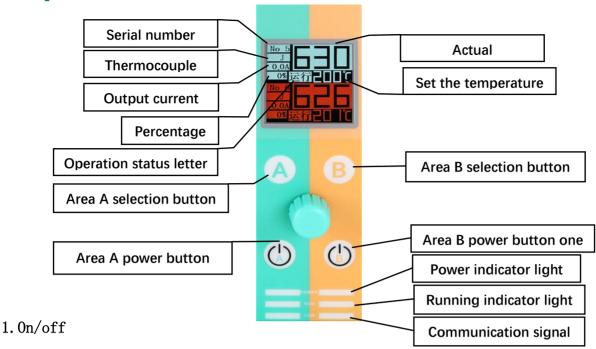


Mi uses one-card dual-control control mode to reduce the volume of the machine by 50% compared with its counterpart products, achieving a highly integrated and small size It is exquisite, and the interior adopts the design of dual interface and dual card holder, so as to achieve a stable temperature control mechanism





IV. Operation instructions



First, connect the power supply line and the mold connection cable. After checking that all the connections are correct, open the back of the machine and press the or button on the front panel. At this time, the corresponding circuit power supply of the machine is turned on and will enter the heating working state. If there is an alarm, it will not enter the heating working state.

Note: If you don't use this machine for a long time, please turn off the back air switch!'

2 Temperature setting

Press A / B to select the corresponding temperature control area that needs to set the temperature, and then rotate the knob to set the temperature. After the setting is completed, please press the knob to confirm, and finally complete the temperature setting.

3. Parameter setting

Press A or B to select the corresponding temperature control area where the parameters need to be set. Press and hold the knob for 2 seconds, and then enter the parameter setting, clockwise or Rotate the knob counterclockwise, enter the parameter selection, find the required parameter, press the knob to enter this parameter, turn the knob to select the corresponding value, set it,

and then press the knob to confirm the setting. Then press the A or B key on the front panel to exit the homepage.

4. Restore factory settings

Enter the P2O parameter, select this parameter as confirmation, and then press the knob to restore all operations and numbers to the initial value.

5. Replace the temperature control card

First remove the panel fixing screw, then pull out the temperature grab card, then insert the new temperature control card and unscrew the screw.

Control parameter table

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Pl mode setting automatic/manual
P2 manual output 0%-100%
P3 model J/K
P4 alarm function alarm/disable
P5 over-temperature range 0-50℃
P6 Low temperature range 0-50℃
P7 temperature correction -50°C-50°C
P8 temperature unit ℃/°F
P9 signal output mode continuous/pulse
P10 soft start time 0-99min
P11 soft start output 0-100%
P12 temperature compensation value ambient temperature (cannot be set)
P13 P parameter initial value (can be set)
P14 I parameter initial value (can be set)
P15 D parameter initial value (can be set)
P16 D2 parameter initial value (setable)
P17 PID mode position/self-tuning/incremental (if you encounter unstable temperature
control, you can turn on the self-tuning function)
P18 Serial Number 001-128
P19 Current Limit 5.0A-16.0A
P20 Restore Factory Settings Cancel/Reset
P21 communication settings cancellation/communication (touch screen version use)
P22 Language Settings Chinese/EN
P23 short-circuit detection 20-99 (if you encounter a boot prompt heater short-circuit
alarm prompt, just turn this parameter up)
P24 follow disable/0-128 (touch screen version use)
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Distribution of power lines

Red (3 pieces)—Fire Blue (1 piece)—zero line Yellow and green (1)—ground wire

Common fault handling methods

- 1. After turning on the air switch, the temperature control card screen emits a continuous red alarm sound zero line and the fire line is reversed or lacks zero line.
- 2. After booting, the temperature control card makes a continuous alarm sound. The thermocouple is disconnected, and the heater is short-circuited or open. Please check the thermocouple and Heater or check whether the connection cable is loose.
- 3. After starting up, the temperature keeps rising, and the output current remains unchanged until the high-temperature alarm silicon control short circuit and control card appear It needs to be repaired.
- 4. The temperature control is unstable and the output current value fluctuates greatly and there is a lack of zero wire. Please check the power supply plug to troubleshoot.
- 5. If the POWER signal light of the temperature control card is not on, please check whether the power supply is turned on or whether there is a missing phase.
- 6. If the startup prompts the heating short circuit, please check whether the temperature sensor and heater are reversed. If there is no area connection, just adjust the P23 parameter.
- 7. If the temperature control is stable, you can turn on the self-trition function of P17.