



Temperature Controller & Timing Controller

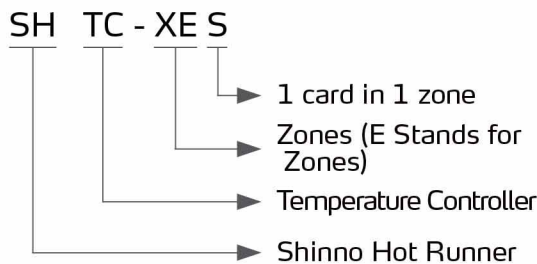
Simple Solution





Temperature Controller (1 card in 1 zone)

■ Coding Principles



■ Optional Functions

- Six kinds of alarm
- RS485 communication function: mode ASCII and RTU

■ Product Profile

- Adopt FUZZY PID technology.
- Auto linear compensation function for ambient temperature.
- Detection for thermocouple break.
- Detection for measuring loop break inside the controller.
- Heater current monitoring.
- Output interruption detection, output short circuit protection.
- Temperature deviation alarm.
- Manual power output mode.
- Software locking function.
- Power 380V input protector with alarm indicator.
- Full error code output

■ Specifications

Zones	Dimensions	W(mm)	D(mm)	H(mm)
1 Zone		114	247	230
2 Zone		149	322	232
3 Zone		200	322	232
4 Zone		250	322	232
6 Zone		352	322	232
8 Zone		454	322	232
10 Zone		555	322	232
12 Zone		352	322	475
16 Zone		454	322	475
20 Zone		555	322	475
24 Zone		454	322	620
30 Zone		555	322	620
32 Zone		454	322	868

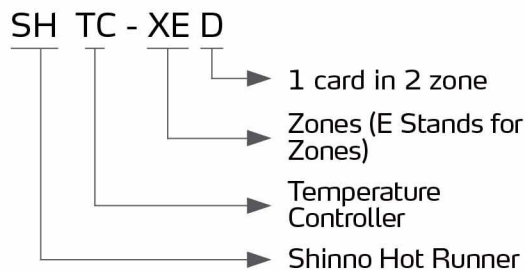
■ Working Principle

The temperature controller is a device that can constantly maintain set temperature according to the set value of customer, which mainly detects the temperature of heating elements through the product's internal microprocessor (MCU), and then controls the thyristor or solid-state relay after being processed by the microprocessor's internal program to control the temperature.



Temperature Controller (1 card in 2 zone)

Coding Principles



Features

- SHTC-XED controller has large capacity but small size.
- 1-card-2-zone press button can adjust the controller.
- Independently control two zones.

Specification

- Power input voltage: AC185V-245V, 50/60HZ.
- Load: 15A, 100W-3600W per zone.
- Output type: PHA (Phase Shift Pulse Width Modulation), OCR(solid state).
- Thermocouple type: type J or K.
- Temperature control range: 50C-550°C.
- Temperature stability: +0.5%.
- Temperature control type: FUZZY+PIDD artificial intelligence AI+phase-shifting control.
- Auto ambient temperature compensation function of internal measurement loop.
- Soft start to eliminate mould leakage caused by moisture.
- F1:250-1A.
- F2,F3:250V-15A(Special fuse).

Specifications

Zones	Dimensions	W(mm)	D(mm)	H(mm)
2 Zone		114	220	198
4 Zone		148	282	176
6 Zone		200	282	176
8 Zone		250	282	176
10 Zone		302	282	176
12 Zone		352	282	176
16 Zone		454	282	176
20 Zone		555	282	176
24 Zone		353	282	363
28 Zone		403	282	363
32 Zone		454	282	363
40 Zone		555	282	363
60 Zone		555	302	504
64 Zone		454	317	645

Product Profile

- Same as the temperature controller SHTC-S

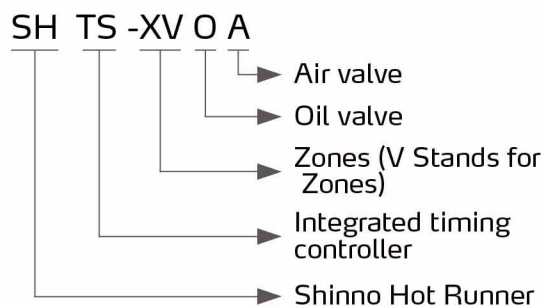
Optional Functions

- Side 4" touch panel control.
- Top 10.1" touch panel control
- RS 232 / 485 is connected with the external controller of the machine to fulfill central control system
- COM interface +LCD central displayer



Integrated timing controller

Coding Principles



Application

The integrated timing controller is a device used in valve hot runner system to control the injection sequence of the hot runner nozzle, which can control each gate injection time of the hot runner system.

Specifications

Controller Type	SHTS4V	SHTS8V
Zones	4	8
Main Switch Capacity (A)	3A	3A
Solenoid Valve Output voltage	DC24V/AC220V	DC24V/AC220V
Connector Type	16P×1	16P×1
Weight (kg)	3.7	3.8
Dimension H×W×D(mm)	61×220×180	61×220×180

Product Profile

- The controller can be adjusted by each zone independently.
- It can control up to 8 gates.
- Adjust the value and setting time for easy operation.
- Real-time display of the running status
- The data storage function is activated in shutdown state.
- Software control on / off function.
- Single and all gates have manual open / close function.
- Battery valve output power: DC24V/AC220V.
- The air valve and oil valve can be controlled
- Precise time control (min.: 0.01 sec, max. 999 secs.)
- Intelligent and integrated aluminum shell case in solid design, with good heat dissipation.
- All products have passed the international CE certification.