Temperature Controller
&
Timing Controller
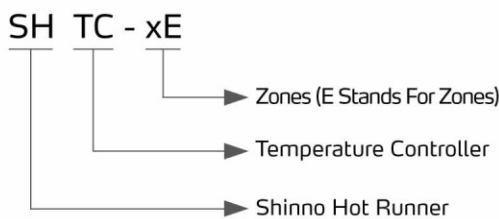
Simple Solution

SHINI

Temperature Controller

Coding Principles

SH TC - xE

- Zones (E Stands For Zones)
- Temperature Controller
- Shinno Hot Runner

Application

Temperature controller, being used in hot runner system, is a device which maintains the required temperature value for the hot runner via. PID control. It consists of temperature control card,circuit breaker, cabinet, fan, terminal blocks and cables. The temperature control card in the cabinet controls the temperature of the hot runner and the temperature accuracy of system. Self-protection and fault tolerance depends on the function of the temperature control card. At present, temperature controller is necesscry in the application of hot runner molds.

Specifications

Zone	Length (mm)	Width (mm)	Height (mm)
zone 1	100	220	280
zone 2	240	390	240
zone 4	380	390	240
zone 6	440	390	240
zone 8	540	390	240
zone 12	410	390	440
zone 24	720	390	440

Features

Standard Function

- LCD Module display
- Inside buzzer
- Over-pressure protector prevents module burnt due to wrong connection
- Detection for thermocouple break and reverse connection
- Fuse break detection
- Percentage output with display
- Dual trigger output(phase/ zero bit)
- Intelligent soft-start function
- Manual output for thermocouple abnormality
- Auto/manual control
- PID temperature control
- Set for output percentage limit
- Dual thermocouple (J/K)
- Dual temperature limit (°C/°F)
- Six kinds of alarm
- Temperature range K TYPE: 0~600°C(32~999°F) / J TYPE: 0~600°C(32~999°F)

Options

- Current detection function:

  Current display/Heater short circuit protection/Heater break detection/TRIAC short circuit protection
- Infrared ray module:

  One button start (stop)/ heat insulation (heating up)
- Communication module :

  RS485 communication function: mode ASCII and RTU

Timing Controller

Coding Principles

SH T - xV

→ Zones (V Stands For Zones)

→ Timing Controller

→ Shinno Hot Runner

Features

● Three kinds of working mode:A/B/AB

● Switch for holding pressure mode (open/close)

● Time setting for holding pressure delay

● Decimal point switch

● Indicating mode

Application

Timing controller is an equipment that controls valve gate nozzle open/close delay in valve gate of hot runner system. Timing controller controls each gate of hot runner system.

Specifications

Model		Zones 4	Zones 6	Zones 8
Zone		4	6	8
Casing Type		SHT4V	SHT6V	SHT8V
Power Switch Capacity(A)		20	20	20
Signal capacity		DC12 / DC24 / AC110	DC12 / DC24 / AC110	DC12 / DC24 / AC110
Contactor Type		SIBAS-16P×1	SIBAS-16P×1	SIBAS-16P×1
Weight(kg)		18	24	32
Dimension (mm)	Length (mm)	340	440	540
	Width (mm)	260	260	260
	Height (mm)	350	350	350