

HOTRUNNER CONTROLLER

model

AYC

Simple
Tough
Stability

Proved by our sales record

[Usability] and [Reliability]



Simple

Equipped with an exclusive control unit. Easy to read settings for Tip / Body Current and body Temperature.

You can catch alarming condition at a glance by the Alarm Indicate Lamp.

Checking on energization is made easy by an analog meter.

Unit structure contributes to easy maintenance.

Tough

The control unit is designed to have longer life by adopting a Bidirection Thyristor for Tip and Body output circuit.

Stability

- the supply voltage compensation circuit is set up on the current control circuit for stable molding operation. It accepts a slight change in supply voltage (AC200V ± 10 %)

The picture shows AYC12TP5 (with Body Temperature Display circuit)



Control Unit



Timer Unit



Remote Timer (Optional)



Home Page

<http://www.seiki-hot.com>

Specification for AYC Controller

Spear Controller

Controlled System	B-type spear, D-type spear, G-type spear*1 , Others*2	
Number of Control Circuits	2 • 4 • 8 • 12 • 16 • 24*3 (Varied by the type of a controller)	
Control Method	Tip Body Current	:Phase Control by exclusive controller
	Body Temperature	:Phase Control & Proportional time Control by exclusive control unit
	Tip Current	:Max. 12 scale on the built-in indicator
Current Setting Range	Body Current	:Max. 3 scale on the built-in indicator (Max.4 scale while temperature is controlled)
Body Temperature Setting	0 to 499 Deg.C	
Setting Method	Tip Body Current	:Analog setting with an adjustment knob
	Body Temperature	:Digital setting with a digital switch
Current / Temperature Display	Tip Body Current	:Analog indication (Change of Tip / Body Current with a switch)
Alarm Detection	Body Temperature	:Deviation indications by flickering a body overheat lamp
	• Tip Heater Burnout Detection*4	• Body Heater Burnout Detection*4
	• Tip Overcurrent Detection*5 • Body Temperature Monitoring*6	• Body Overcurrent Detection*5

Manifold Heater Controller

Number of Circuits	2 • 4 • 6 (Varied by a type of controller)
Control Method	Proportional Time Control by Digital Temperature Controller & Electromagnetic Contactor*7
Temperature Setting Range	0 to 400 Deg.C
Temperature Setting and Display	Digital setting with a touch key and a digital display
Heater control Capacity	4.8 kw / circuit (3 phase) *8
Thermocouple Type	J or K ••• Please indicate it when you order.
Alarm Detection	• Manifold Temperature Range Monitoring*9 • Heater Burnout Detection (By custom order)

Timer Unit

Specification for the timer	Tip Timing Timer: Digital setting (Range: 0 to 39.9 sec.) Tip Heating timer: Digital setting (Range: 0 to 39.9 sec.) OFF Delay Timer: Analog setting with a knob (Max. time: Approx.60 min.)
Tip Heating Timing signal	Voltage Input (Voltage Clamp DC 24V, AC 200V etc.) or Contact point Input • •• Please indicate it when you order.

Other Specification

Power Input	AC 200V (±10%) 3phase 50 / 60Hz
Power Consumption	Manifold Heater capacity + Spear capacity (200VA × Number of circuits) + 50VA Temperature : -10 to 45 Deg.C
Operating Environment	Humidity : 85 %RH (Avoid condensation)
	Atmosphere : Avoid excess vapor, greasiness, or smoke and use of corrosive or inflammable gas
Dimension of the standard type (W × H × D without protrusion)	AYC2TP2 : 600 × 227 × 490 AYC12TP2 : 600 × 768 × 455 AYC4TP2 : 600 × 563 × 455 AYC16TP2 : 600 × 973 × 505 AYC8TP2 : 600 × 768 × 455 AYC24TP2 : 600 × 1178 × 505
Standard Color	Munsell value: 2.5Y8 / 2 (Ivory)
Main Option	• Body Temperature Display with a starter

*1: Needs to be customized with a 11V Tip Trans Voltage.

*2: Controllable spear with Tip 8V, Body 32V

*3: Could be customized with up to 48 points control.

*4: Flicker LED on a control unit and trigger the alarm buzzer.

*5: Flicker LED on a control unit and trigger the alarm buzzer. (Resetting turn the output ON)

*6: Out of monitor range flicker LED on a control unit. No buzzer on the standard type.

*7: SSR instead of an Electromagnetic Contactor could be ordered.

*8: Total capacity of the Manifold is limited to 20 kw and 15 A per circuit / phase.

*9: Out of monitor range flicker Alarm Indicate Lamp on a temperature controller. No buzzer on the standard type.

Note: The contents of this catalog were established on July 2001. It is subject to change without notice.