

High-performance air blow heater controller AHC2 series



By overheating zero setting of the thermocontroller, it makes the stable hot-air heating. At a flow rate management by the flow control valve with a float-type flow meter or mass flow controller, to ensure the reproducibility of the amount of heat supplied.

Color universal design type can be specified CUD as an option. White, blue and yellow indicator lights, Blue and Yellow operation buttons. The color scheme is easy for anyone to see.

[Specifications]

Power voltage	Single-phase AC100V ~ 240V 50 / 60Hz
Control current	15A / 30A
Thermocontroller	Surface mount thermocouple input type
Thermocontrol system	Time division PID control
Air flow meter	Control valve with a float type flow meter/mass flow controller
Air flow rate setting	Manual control valve / Digital setting
Air flow rate (ℓ / min)	0.3~10 / 1.5~50 / 3~100 / 2~200 / 4~500
Air input	0.2MPa \sim 0.6MPa one-touch fitting for ϕ 6 resin tube
Air output	One-touch fitting for ϕ 6 resin tube etc.
Usage environment	Temperature 0 \sim 45 °C Humidity 10% to 95% (non-condensing)
External dimensions	Width 250 x height 250 x depth 250 mm

[Model configuration list]

Basic	Thermo	Flow	Higher	Electric	Gasflow	
Model	Controller	Conteol	Control	Current	Quantity	Contents
AHC2						Airblow Heater Controller
	TC(standa	ard)				Thermo-couple input
	TP					Pyrometer input
		DFM				Control valve with digital flow meter
		FM				Control valve with float flow meter
		FC				Mass flow controller
			(Blank)			None
			RC			Remort control function
			SV			Supervisor function
			RS-485			Remort control with RS-485 function
				15A		Control Electric current 15A
				30A		Control Electric current 30A
				50A		Control Electric current 50A
				100A		Control Electric current 100A
					10L	Gas control flow rate 10L/min
					50L	Gas control flow rate 50L/min
					100L	Gas control flow rate 100L/min
					200L	Gas control flow rate 200L/min
					500L	Gas control flow rate 500L/min
					1000L	Gas control flow rate 1000L/min

[Options]

Abbreviation	Contents						
CUD	Color universal design type white-blue-yellow indicator light and operation switch.						
RC1	Remote Control switch mounted surface, heating start and stop from the outside.						
SV	Supervisor function for Over-heat protect or Target-heating						
HL	High-Low Control for rapid-heating or preheating						
TMR1	The setting timer one-shot heating and mounting surface.						
AirV	Air opening and closing valve						
OFDT	Air closing valve, heating stop after the cooling timer 5 minutes						
RSP	Specify the 4-20mA a setting from the outside.						
MON	The current value to the external output in 4-20mA.						
RS485	RS-485 Communication						
IOT	IOT function						
BO	Heater burnout (Disconnection) Alarm						
AP	Air pressure shortage Alarm						
FPR	Front Protection Rail						
RPR	Rear Protection Rail						
TP	Replaced by thermocontroller of the pyrometer input specification.						
РМ	Pyrometer mounted surface.						
Pyrometer	Pyrometer to choice of applications, and then fitted adjusted to the heater controller.						
Power Cable	Manufacture the specification of the power cable.						

[Note] When the to add a function, there is that the external dimensions changes.



[Options Front Protection Rail]



[Options Rear Protection Rail]

1.Thermocontroller & digital flow meter AHC2-TCDFM

By overheating zero setting of the thermocontroller, it makes the stable hot-air heating. At a flow rate management by the flow control valve with a digital flow meter, to ensure the reproducibility of the amount of heat supplied.

The built-in no-gas heating prevention function and prevents heat damage to the heater.





[Basic Specification]

Power voltage	Single-phase AC100V \sim 240V 50 / 60Hz		
Control current	15A / 30A / 50A / 100A		
Thermocontroller Surface mount thermocouple input type			
Thermocontrol system	Time division PID control		
Air flow meter	Control valve with digital flow meter		
Air flow rate setting	Manual control valve		
Air flow rate (& / min)	2~200		
Air input	0.2 MPa ~ 0.6 MPa one-touch fitting for $\phi8$ resin tube		
Air output	One-touch fitting for ϕ 8 resin tube		
Usage environment	Temperature 0 \sim 45 °C Humidity 10% to 95% (non-condensing)		
External dimensions	Width 250 x height 250 x depth 250 mm		

【Options】

CUD	Color universal design type white-blue-yellow indicator light and operation switch.
HL	High-Low Control for rapid-heating or preheating
TMR	The setting timer one-shot heating and mounting surface.
AirV	Air opening and closing valve
OFDT	Air closing valve, heating stop after the cooling timer 5 minutes
BO	Heater burnout (Disconnection) Alarm
AP	Air pressure shortage Alarm
FPR	Front Protection Rail
RPR	Rear Protection Rail
TP	Replaced by thermocontroller of the pyrometer input specification.
PM	The Pyrometer and mounted surface.
Pyrometer	Pyrometer to choice of applications, and then fitted adjusted to the heater controller.
Power Cable	Manufacture the specification of the power cable:

[Note] When the to add a function, there is that the external dimensions changes.

				D/#	AHC2-TCDFM/□A-200L/(Options)
				Model	High-performance air blow heater controller
Date	2021/5/19	Draw	Y.Shimoda		Heat-tech Co.,Ltd.

2.Thermocontroller &float type flow meter AHC2-TCFM

By overheating zero setting of the thermocontroller, it makes the stable hot-air heating. At a flow rate management by the flow control valve with a float-type flow meter, to ensure the reproducibility of the amount of heat supplied.





				D/#	$AHC2-TCFM/\BoxA-\BoxL/(Options)$
				Model	High-performance air blow heater controller
Date	2021/5/19	Draw	Y.Shimoda	134	Heat-tech Co.,Ltd.

<u>3.Thermocontroller & float type flow meter with remote control AHC2-</u> TCFMRC

By overheating zero setting of the thermocontroller, it makes the stable hot-air heating. At a flow rate management by the flow control valve with a float-type flow meter, to ensure the reproducibility of the amount of heat supplied.

AHC2-TCFMRC come with a heater by a remote control function in ON-OFF from the outside. This controller corresponds to the IOT era in the rich options.

[Basic Specification	on]						
Power voltage	3	Single-phas	e AC100V \sim	240V 50 / 60Hz			
Control current	8	15A / 30A /	/ 50A / 100A				
Thermocontroller	5	Surface mo	unt thermoco	uple input type			
Thermocontrol sys	stem -	Time divisio	n PID control				
Air flow meter	(Control valv	e with a float	type flow meter			
Air flow rate settin	ig 1	Manual cont	trol valve				
Air flow rate (ℓ / n	nin) 1	1~10/5~	-50 / 10~10	0			
Air input	10	0.2 MPa \sim	0.6 MPa one	-touch fitting for ϕ 6 resin tube			
Air output	(One-touch	fitting for $\phi 6$	i resin tube			
Select switch	ĺ.,	Remote Cor	Introl switch mounted surface				
Remote Control		Remote he	emote heating start and stop from the outside.				
Usage environment	t 5	Temperature 0 \sim 45 $^{\circ}$ C Humidity 10% to 95% (non-condensing)					
External dimension	is l	Width 250 x	height 250 x	depth 250 mm			
【Options】 CUD Ci	olor univ	versal design	type white-blue	-yellow indicator light and operation switch.			
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	ir openir	ne uner one					
	ir openir ir olooir	e anu ciosiña e uslue tracti	is valve				
	n ciusini necifu +4	$_{\rm b}$ valve, riedti	cetting from th	e outside			
	be curre	ant uslue te t	be externed out	put in A-20mA			
		Sinc value to t	ne external out	pacini 4-20mA.			
	0 400 L	ion ion	a. ().				
	enter L		montion) of				
	eater Du Is esercia	arnout (Disco	Alarea	m)			
	root Du-	issure shortage Alarm					
		ont Protection Rail					
	aar Protection Rail						
	epiaced	Paced by thermocontroller of the pyrometer input specification.					
Piwemeter D	ne ryror	meter and mo	sunteo surtace.	and these fitted adjusted to the best-re-s-sta-llar			
Pyrometer Py	yromete	r to choice c	n applications, a	ind then nitted adjusted to the heater controller.			
	ianufacti	ure trie speci	nication of the p				
LINOTEJ When the to	add a f	unction, the	ere is that the	e external dimensions changes.			
		1	D/#	AHC2-TCFMRC/DA-DL/(Options)			
			Model	High-performance air blow heater controller			

<u>4.Thermocontroller & float type flow meter with over-heat control AHC2-</u> TCFMSV

By overheating zero setting of the thermocontroller, it makes the stable hot-air heating.

At a flow rate management by the flow control valve with a float-type flow meter, to ensure the reproducibility of the amount of heat supplied.

To prevent in advance the heater disconnection and accidents caused by excessive temperature rise by the excessive rise in temperature monitoring function.

[Basic Specification]

Power voltage	Single-phase AC100V \sim 240V 50 / 60Hz
Control current	15A / 30A / 50A / 100A
Thermocontroller	Surface mount thermocouple input type
Thermocontrol system	Time division PID control
Air flow meter	Control valve with a float type flow meter
Air flow rate setting	Manual control valve
Air flow rate (ℓ / min)	1~10 / 5~50 / 10~100
Air input	0.2 MPa \sim 0.6 MPa one-touch fitting for ϕ 6 resin tube
Air output	One-touch fitting for ϕ 6 resin tube
Supervisor	Over-heat protect or Terget-heating
Usage environment	Temperature 0 \sim 45 $^\circ \!\! C$ Humidity 10% to 95% (non-condensing)
External dimensions	Width 250 x height 250 x depth 250 mm

【Options】

CUD	Color universal design ty	pe white-blue-	-yellow indicator light and operation switch.				
HL	High-Low Control for ra	pid-heating or	preheating				
TMR	The setting timer one-s	hot heating an	d mounting surface.				
AirV	Air opening and closing v	alve					
OFDT	Air closing valve, heating	stop after the	e cooling timer 5 minutes				
RC	The switch is mounted s	urface, heating	s start and stop in the signal from the outside.				
RSP	Specify the 4–20mA a se	etting from the	outside.				
MON	The current value to the	e external outp	ut in 4–20mA.				
RS485	RS-485 Communication						
IOT	IOT function						
BO	Heater burnout (Disconnection) Alarm						
AP	Air pressure shortage Alarm						
FPR	Front Protection Rail						
RPR	Rear Protection Rail						
TP	Replaced by thermocontroller of the pyrometer input specification.						
PM	The Pyrometer and mounted surface.						
Pyrometer	Pyrometer to choice of applications, and then fitted adjusted to the heater controller.						
Power Cable	Manufacture the specification of the power cable.						
Note] When th	e to add a function, then	e is that the	external dimensions changes.				
		D/#	AHC2-TCFMSV/□A-□L/(Options)				
	20	200000 3232					

				Model	High-performance air blow heater controller
Date	2021/5/19	Draw	Y.Shimoda	125	Heat-tech Co.,Ltd.

5.Thermocontroller & mass flow controller AHC2-TCFC

By overheating zero setting of the thermocontroller, it makes the stable hot-air heating. By the mass flow controller, it enables high-precision air flow control. The temperature controller and mass flow controller, to ensure the reproducibility of the amount of heat supplied.

Power voltage Single-phase AC100V ~ 240V 50 / 60Hz Control current 15A / 30A / 50A / 100A Thermocontrol system Time division PLD control Air flow rate setting Massflowcontroller Air flow rate (k / min) 0.3~10 / 15~50 / 3~100 / 2~200 / 4~500 Air input 0.2MPa ~ 0.6MPa one-touch fitting for \$6 48 \$10 resin tube Air output One-touch fitting for \$6 \$6 \$10 resin tube Usage environment Temperature 0 ~ 45 °C Humidity 10% to 95% (non-condensing) External dimensions Width 250 x height 250 x depth 250 mm Coptions) CUD Color universal design type white-blue-yellow indicator light and operation switch. HL High-Low Control for rapid-heating or preheating TMR TMR The setting timer one-shot heating and mounting surface. Air V Air opening and closing valve OFDT Air opening and closing valve OFDT Air opening and closing valve AP AP Air pressure shortage Alarm FPR FPR Front Protection Rail RPR RPR Rear Protection Rail PM TP Replaced by thermocontroller of the pyrometer input specification. PM The Pyrom		Rasic Specifi	cation						
Control current 15A/30A/50A/100A Thermocontroller Surface mount thermocouple input type Thermocontrol system Time division PID control Air flow rate setting Massflowcontroller Air flow rate (& / min) 0.3~10/1.5~50/3~100/2~200/4~500 Air input 0.2MPa ~ 0.6MPa one-touch fitting for \$6 \$4 \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	1	Power voltage	cation	Single-phoo		240V 50 / 60Hz			
Thermocontroller Surface mount thermocouple input type Thermocontroller Time division PID control Air flow rate setting Massflowcontroller Air flow rate (2 / min) 0.3~10 / 1.5~50 / 3~100 / 2~200 / 4~500 Air input 0.2MPa ~ 0.6MPa one-touch fitting for \$6 \$ \$ \$ \$ 10 resin tube Usage environment Temperature 0 ~ 45 °C Humidity 10% to 95% (non-condensing) External dimensions Width 250 x height 250 x depth 250 mm (Options) CUD Color universal design type white-blue-yellow indicator light and operation switch. HL High-Low Control for rapid-heating or preheating TMR The setting timer one-shot heating and mounting surface. AirV Air opening and closing valve OFDT Air closing valve, heating stop after the cooling timer 5 minutes BO Heater burnout (Disconnection) Alarm AP Air pressure shortape Alarm FPR Front Protection Rail TP Represent and mounted surface. Pyrometer Pyrometer and mounted surface.<	9	Control currer	it	154 / 30A	/ 50A / 100A				
Thermocontrol system Time division Thermocontrol system Time division Air flow rate setting Massflowcontroller Air flow rate (le / min) 0.3~10 / 1.5~50 / 3~100 / 2~200 / 4~500 Air input 0.2MPa ~ 0.6MPa one-touch fitting for \$6 \$8 \$10 resin tube Air output One-touch fitting for \$6 \$8 \$410 resin tube Usage environment Temperature 0 ~ 45 °C Humidity 10% to 55% (non-condensing) External dimensions Width 250 x height 250 x depth 250 mm Coptions) OUD Color universal design type white-blue-yellow indicator light and operation switch. HL High-Low Control for rapid-heating or preheating TMR The setting timer one-shot heating and mounting surface. AirV Air closing valve, heating stop after the cooling timer 5 minutes BO Heater burnout (Disconnection) Alarm AP Air pressure shortage Alarm FPR Front Protection Rail RPR Rear Protection Rail RPR Rear Protection Rail RPR Rear Protection Rail RPR Rear Protection Rail RPR Payload by thermocontroller of the pyrometer input specification.	8	Thermocontro	ller	Surface mov	unt thermoco	unle input type			
Air flow rate setting Massflowcontroller Air flow rate (l / min) 0.3~10 / 1.5~50 / 3~100 / 2~200 / 4~500 Air input 0.2MPa ~ 0.6MPa one=touch fitting for \$6 \$8 \$10 resin tube Air output One=touch fitting for \$6 \$8 \$10 resin tube Usage environment Temperature 0 ~ 45 °C Humidity 10% to 95% (non=condensing) External dimensions Width 250 x height 250 x depth 250 mm CUD Color universal design type white=blue=yellow indicator light and operation switch. HL High=Low Hind The setting timer one=shot heating or preheating TMR The setting timer one=shot heating and mounting surface. AirV Air opening and closing valve OFDT Air closing valve, heating stop after the cooling timer 5 minutes BO Heater burnout (Disconnection) Alarm AP Air pressure shortage Alarm FPR Front Protection Rail TP Replaced by thermocontroller of the pyrometer input specification. PM The Pyrometer and mounted surface. Pyrometer Pyrometer to choice of applications, and then fitted adjusted to the heater controller. Power Cable Manufacture the specification of the power cable.	9	Thermocontro	Isystem	Time divisio	n PID control	anlanas" munikagi pri pri K. Bayar			
Air flow rate (g / min) 0.3~10 / 1.5~50 / 3~100 / 2~200 / 4~500 Air input 0.2 MPa ~ 0.6 MPa one-touch fitting for \$6 \$8 \$10 resin tube Air output One-touch fitting for \$6 \$8 \$10 resin tube Usage environment Temperature 0 ~ 45 °C Humidity 10% to 95% (non-condensing) External dimensions Width 250 x height 250 x depth 250 mm (Options) CUD Color universal design type white-blue-yellow indicator light and operation switch. HL High-Low Control for rapid-heating or preheating TMR The setting timer one-shot heating and mounting surface. AirV Air opening and closing valve OFDT Air closing valve, heating stop after the cooling timer 5 minutes BO Heater burnout (Disconnection) Alarm AP Air pressure shortage Alarm FPR Front Protection Rail TP Replaced by thermocontroller of the pyrometer input specification. PM The Pyrometer and mounted surface. Pyrometer Pyrometer to choice of applications, and then fitted adjusted to the heater controller. Power Cable Manufacture the specification of the power cable. [Note] When the to add a function, there is that the external dimensions changes.	8	Air flow rate se	etting	Massflowcou	ntmller				
Air input 0.2 MPa ~ 0.6 MPa one-touch fitting for \$6 \$8 \$\$ 10 resin tube Air output One-touch fitting for \$6 \$6 \$\$ \$\$ 010 resin tube Usage environment Temperature 0 ~ 45 °C Humidity 10% to 95% (non-condensing) External dimensions Width 250 x height 250 x depth 250 mm Color universal design type white-blue-yellow indicator light and operation switch. HL High-Low Control for rapid-heating or preheating TMR The setting timer one-shot heating and mounting surface. AirV Air closing valve OFDT Air closing valve, heating stop after the cooling timer 5 minutes BO Heater burnout (Disconnection) Alarm AP Air pressure shortage Alarm FPR Front Protection Rail RPR Rear Protection Rail TP Replaced by thermocontroller of the pyrometer input specification. PM The Pyrometer and mounted surface. Pyrometer Pyrometer to choice of applications, and then fitted adjusted to the heater controller. Power Cable Manufacture the specification of the power cable. [Note] When the to add a function, there is that the external dimensions changes.	8	Air flow rate ()	2 / min)	0.3~10/1	.5~50 / 3~1	00 / 2~200 / 4~500			
Air output One-touch fitting for \$6 \$8 \$\$ 010 resin tube Usage environment Temperature 0 ~ 45 °C Humidity 10% to 95% (non-condensing) External dimensions Width 250 x height 250 x depth 250 mm Coptions] Cub Color universal design type white-blue-yellow indicator light and operation switch. HL High-Low Control for rapid-heating or preheating TMR TMR The setting timer one-shot heating and mounting surface. AirV Air opening and closing valve OFDT Air closing valve, heating stop after the cooling timer 5 minutes BO Heater burnout (Disconnection) Alarm AP Air pressure shortage Alarm FPR Front Protection Rail TP Replaced by thermocontroller of the pyrometer input specification. PM The Pyrometer to choice of applications, and then fitted adjusted to the heater controller. Power Cable Manufacture the specification of the power cable. [Note] When the to add a function, there is that the external dimensions changes.	2	Air input		$0.2 MPa \sim$	0.6MPa one	-touch fitting for $\phi 6 \phi 8 \phi 10$ resin tube			
Usage environment Temperature 0 ~ 45 °C Humidity 10% to 95% (non-condensing) External dimensions Width 250 x height 250 x depth 250 mm CUD Color universal design type white-blue-yellow indicator light and operation switch. HL High-Low Control for rapid-heating or preheating TMR The setting timer one-shot heating and mounting surface. AirV Air opening and closing valve OFDT Air closing valve, heating stop after the cooling timer 5 minutes BO Heater burnout (Disconnection) Alarm AP Air pressure shortage Alarm FPR Front Protection Rail RPR Rear Protection Rail RPR Reproduction of the pyrometer input specification. PM The Pyrometer and mounted surface. Pyrometer Pyrometer to choice of applications, and then fitted adjusted to the heater controller. Power Cable Manufacture the specification of the power cable. [Note] When the to add a function, there is that the external dimensions changes.	8	Air output		One-touch	fitting for $\phi 6$	iφ8φ10 resin tube			
External dimensions Width 250 x height 250 x depth 250 mm CUD Color universal design type white-blue-yellow indicator light and operation switch. HL High-Low Control for rapid-heating or preheating: TMR The setting timer one-shot heating and mounting surface. AirV Air opening and closing valve OFDT Air closing valve, heating stop after the cooling timer 5 minutes BO Heater burnout (Disconnection) Alarm AP Air pressure shortage Alarm FPR Front Protection Rail RPR Rear Protection Rail TP Replaced by thermocontroller of the pyrometer input specification. PM The Pyrometer and mounted surface. Pyrometer Pyrometer to choice of applications, and then fitted adjusted to the heater controller. Power Cable Manufacture the specification of the power cable. [Note] When the to add a function, there is that the external dimensions changes.	2	Usage environ	ment	Temperature $0 \sim 45 ^{\circ}$ C Humidity 10% to 95% (non-condensing)					
Coptions] CUD Color universal design type white-blue-yellow indicator light and operation switch. HL High-Low Control for rapid-heating or preheating TMR The setting timer one-shot heating and mounting surface. AirV Air opening and closing valve OFDT Air closing valve, heating stop after the cooling timer 5 minutes BO Heater burnout (Disconnection) Alarm AP Air pressure shortage Alarm FPR Front Protection Rail RPR Rear Protection Rail TP Replaced by thermocontroller of the pyrometer input specification. PM The Pyrometer and mounted surface. Pyrometer Pyrometer to choice of applications, and then fitted adjusted to the heater controller. Power Cable Manufacture the specification of the power cable. [Note] When the to add a function, there is that the external dimensions changes.	8	External dimen	sions	Width 250 x height 250 x depth 250 mm					
		HL TMR AirV OFDT BO AP FPR RPR TP PM Pyrometer Power Cable	High-Lo The set Air oper Air clos Heater I Air pres Front P Rear Pri Replace The Pyr Pyrome Manufac	w Control for ting timer one- ning and closing ing valve, heatil ournout (Disco sure shortage (rotection Rail otection Rail d by thermocor ometer and mo ter to choice o sture the speci function, the	rapid-heating of -shot heating and shot heating and stop after the ne stop after the ne stop after the ne stop after the ne stop after the punted surface. If applications, a fication of the p are is that the	ryrenew indicator light and operation switch: r preheating nd mounting surface. ie cooling timer 5 minutes m ind then fitted adjusted to the heater controller. power cable. external dimensions changes.			
Children C. C. M. Market and Strand and Strand and Strand Stra				,	Model	High-performance air blow heater controller			
Model Hign-performance air blow neater controller									

6.Thermocontroller & massflowcontroller with remote control AHC2-TCFCRC

By overheating zero setting of the thermocontroller, it makes the stable hot-air heating.

By the mass flow controller, it enables high-precision air flow control.

The temperature controller and mass flow controller, to ensure the reproducibility of the amount of heat supplied.

AHC2-TCFCRC come with a heater by a remote control function in ON-OFF from the outside. This controller corresponds to the IOT era in the rich options.

Desis Secul								
	T		- 4010011-	2407.20 (601-				
Fower voltage	* ***	Single-phas	$e = AUTUUV \sim \frac{1}{2}$	2401/00// 00/12				
	nt	15A / 30A /	100A / 100A					
Thermocontro	oller	Surface mo	unt thermocou	uple input type				
I hermocontro	oi system	i ime divisio	n PID control					
Air flow rate s	Air flow rate setting Massflowco			00 /0 000 / t				
Air flow rate (ℓ / min) 0.3~10 / 1.5~50 / 3~100 / 2~200 / 4~500				00 / 2~200 / 4~500				
Air input		$0.2 \mathrm{MPa} \sim$	0.6MPa one	-touch fitting for φ6 φ8 φ10 resin tube				
Air output	Air output One-to			h fitting for φ6 φ8 φ10 resin tube				
Select switch Remote Control switch mounted surface				ounted surface				
Remote Cont	Remote Control Remote he			ating start and stop from the outside.				
Usage enviror	Usage environment Tempe			ture 0 \sim 45 $^\circ$ C Humidity 10% to 95% (non-condensing)				
External dime	External dimensions Width 250 x height 250 x depth 250 mm							
[Options]								
	Utula La	niversal design type white-blue-yellow indicator light and operation switch.						
			rapid-neating or					
IMR	The set	ting timer one-	-snot neating an	d mounting surface.				
AirV	Air open	ing and closing	s valve					
OFDI	Air closi	ng valve, heati	ng stop after the	e cooling timer 5 minutes				
RSP	Specify	the 4-20mA a	setting from the	e outside.				
MON	The curi	rent value to t	he external outp	out in 4-20mA.				
RS485	RS-485	5 Communication						
IOT	IOT func	nction						
BO	Heater b	burnout (Disconnection) Alarm						
AP	Air press	essure shortage Alarm						
FPR	Front Pr	Protection Rail						
RPR	Rear Pro	rotection Rail						
TP	Replaced	ced by thermocontroller of the pyrometer input specification.						
PM	The Pyr	rometer and mounted surface.						
Pyrometer	Pyromet	eter to choice of applications, and then fitted adjusted to the heater controller.						
Power Cable	Manufac	cture the specification of the power cable.						
[Note] When th	[Note] When the to add a function, there is that the external dimensions changes. $D/# \qquad \Delta HC2 - TCECRC/\Box \Delta - \Box I / (Options)$							
		() ()	Mandal					
		,	Model	rign-performance air blow heater controller				
ite 2021/5/19	Draw	Y.Shimoda		Heat-tech CoLtd.				

7.Thermocontroller & mass flow controller with over-heat control AHC2-TCFCSV

By overheating zero setting of the thermocontroller, it makes the stable hot-air heating. By the mass flow controller, it enables high-precision air flow control.

The temperature controller and mass flow controller, to ensure the reproducibility of the amount of heat supplied.

To prevent in advance the heater disconnection and accidents caused by excessive temperature rise by the excessive rise in temperature monitoring function.

]			
[Basic Speci	fication					
Power voltag	ne l	Single-phas	ae AC100V~	240V 50 / 60Hz		
Control curre	ant	15A / 30A	/ 50A / 100A			
Thermocontr	mller	Surface mo	unt thermocou	unle innut type		
Thermocontr	rol svstem	Time divisio	n PID control	a lane () () has a () () has (
Air flow rate	setting	Massflowco	Introller			
Air flow rate	Air flow rate $(\ell / min) = 0.3 \sim 10 /$			00 / 2~200 / 4~500		
Air input		$_{0.2\text{MPa}} \sim$	0.6MPa one	-touch fitting for $\phi 6 \phi 8 \phi 10$ resin tube		
Air output		One-touch	fitting for $\phi 6$	φ8 φ10 resin tube		
Supervisor		Over-heat	protect or Target-heating			
Usage enviro	Inment	Temperatur	$\approx 0 \sim 45 $ °C Humidity 10% to 95% (non-condensing)			
External dime	ensions	Width 250 >	x height 250 x denth 250 mm			
【Options】 CUD HL	Color ur High-Lo	lor universal design type white-blue-yellow indicator light and operation switch. h-Low Control for rapid-heating or preheating				
TMR	The set	ting timer one	-shot heating an	id mounting surface.		
AirV	Air open	ing and closin	g valve			
OFDT	Air closi	ng valve, heat	ing stop after the	e cooling timer 5 minutes		
RC	The swit	tch is mounter	d surface, heatin	ig start and stop in the signal from the outside.		
RSP	Specify *	the 4-20mA a	setting from the	e outside.		
MON	The curr	rent value to '	the external out	put in 4–20mA.		
RS485	RS-485	Communicati	on			
IOT	IOT func	stion				
BO	Heater b	er burnout (Disconnection) Alarm				
AP	Air press	Air pressure shortage Alarm				
FPR	Front Pr	rotection Rail				
RPR	Rear Pro	Rear Protection Rail				
TP	Replaced	eplaced by thermocontroller of the pyrometer input specification.				
PM	The Pyre	Pyrometer and mounted surface.				
Pyrometer	Pyromet	meter to choice of applications, and then fitted adjusted to the heater controller.				
Power Cable	Manufac	acture the specification of the power cable.				
[Note] When t	he to add a	function, th	ere is that the	external dimensions changes.		
		Í.				
Tx		a	Model	High-performance air blow neater controller		
2021/5/19	Draw	Y.Shimoda		Heat-tech Co.,Ltd.		

8.Thermocontroller & massflowcontroller with remote control & over-heat control AHC2-TCFCRCSV

By overheating zero setting of the thermocontroller, it makes the stable hot-air heating. By the mass flow controller, it enables high-precision air flow control.

The temperature controller and mass flow controller, to ensure the reproducibility of the amount of heat supplied.

AHC2-TCFCSVRC come with a heater by a remote control function in ON-OFF from the outside. This controller corresponds to the IOT era in the rich options.

To prevent in advance the heater disconnection and accidents caused by excessive temperature rise by the excessive rise in temperature monitoring function.

[Basic Specification]						
Power voltage	Single-phas	Single-phase AC100V \sim 240V 50 / 60Hz				
Control current	15A / 30A	/ 50A / 100A	L			
Thermocontroller	Surface mo	unt thermoco	uple input type			
Thermocontrol system Time division PID control						
Air flow rate setting	Massflowco	ntroller				
Air flow rate (2 / min)	0.3~10 / 1	_5~50 / 3~1	100 / 2~200 / 4~500			
Air input	-touch fitting for $\phi 6 \phi 8 \phi 10$ resin tube					
Air output One-touch fitting for $\phi 6 \phi 8 \phi 10$ resin tube						
Select switch	Remote Co	Control switch mounted surface				
Remote Control	Remote heating start and stop from the outside.					
Supervisor	Over-heat	protect or Tar	get-heating			
Usage environment	Temperature 0 \sim 45 °C Humidity 10% to 95% (non-condensing)					
External dimensions Width 250 x height 250 x depth 250 mm						
[Options]						
CUD Color u	hiversal design	type white-blue	e-yellow indicator light and operation switch.			
HL High-Lo	w Control for	rapid-heating o	preheating			
TMR The set	ting timer one	-shot heating ar	nd mounting surface.			
AirV Air oper	ning and closin	g valve				
OFDT Air clos	ing valve, heat	ing stop after th	ne cooling timer 5 minutes			
RSP Specify	the 4-20mA a setting from the outside.					
MON The cur	urrent value to the external output in 4–20mA.					
RS485 RS-485	5 Communication					
IOT IOT fund	nction					
BO Heater I	er burnout (Disconnection) Alarm					
AP Air pres	ssure shortage Alarm					
FPR Front P	Protection Rail					
RPR Rear Pr	rotection Rail					
TP Replace	ed by thermocontroller of the pyrometer input specification.					
PM The Pyr	yrometer and mounted surface.					
Pyrometer Pyrome	Pyrometer to choice of applications, and then fitted adjusted to the heater controller.					
Power Cable Manufacture the specification of the power cable.						
[Note] When the to add a	tunction, th	ere is that the	external dimensions changes.			
	3	D/#	AHC2-TCFCSVRC/□A-□L/(Options)			
	Ē	12020 2002				
	i	Model	High-performance air blow neater controller			

9. Power Cable for Heater Controller

Manufacture the specification of the power cable.

VOLT	A	Receptacle	Plug	Receptacle	Plug	Receptacle	Plug
125 V	L1	() L1-15R	L1-15P				
250 V	L2			() L2-20R	L2-20P		
125 V	L5	() L5-15R	() L5-15P	() L5-20R	() L5-20P	() L5-30R	() L5-30P
250 V	L6	() L6-15R	() L6-15P	() L6-20R	() L6-20P	(°) L6-30R	L6-30P
277V, A.C.	L7	() L7-15R	() L7-15P	L7-20R	(J) L7-20P	(1) L7-30R	L7-30P
480 V	L8			ر الا-20R	() L8-20P	() L8-30R	L8-30P
600 V	L9			(1)-20R	L9-20P	(1) L9-30R	L9-30P

When the plug or the connector which the upper figure does not have are necessary, we will manufacture as much as possible.

<< Quotation model specification method >>

(Heater controller model) - (Plug shape) - (Cable length)

<< Quotation example >>

AHC2-TCDFM/15A-200L-TypeA-5m

