

Heater Controller HHC Series

- ◆ "HHC" has the ability to manually control the ON-OFF of the power, voltage, In addition, ON-OFF and voltage control is possible with outside signal.
- ◆ The thermo controller installed, there is Pyrometer type or Thermocouple type.
- ◆ Using the one-shot timer, can be tested precision heating.
- ◆ Current limit, slow-up, over-current breaker of voltage and so on, It incorporates enough safety equipment necessary to the halogen heater.
- ◆ There is also an option over-heat alarm function.



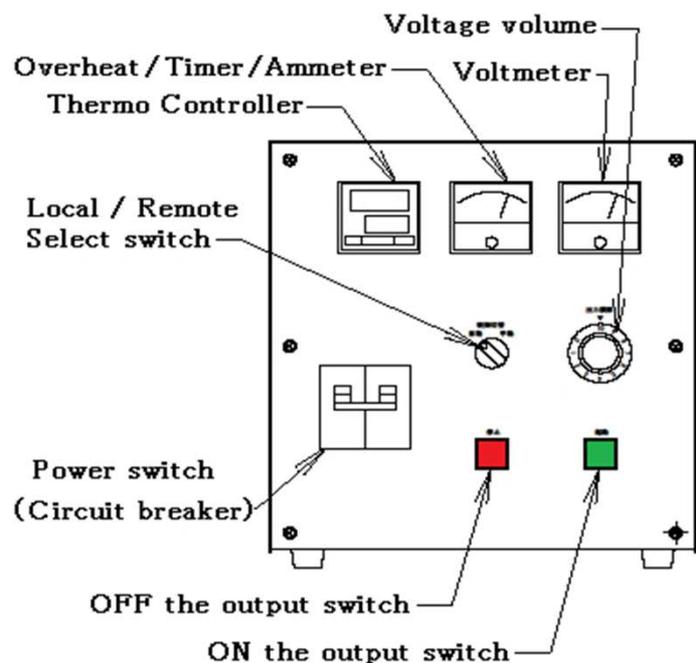
<< HHC-1/2 Thermo controller type >>



<< HHC-1/2 Standard type >>



<< HHC-1/2 Thermo controller and Timer type >>



Design Number	Input Power	Output Voltage	Max. power	Remark
HHC-12v-300w	AC100-240v/300w	DC12v	300w	*1
HHC-24v-330w	AC100-240v/330w	DC24v	330w	*1
HHC-36v-600w	AC100-240v/600w	DC36v	600w	*1
HHC-36v-1kw	AC100-240v/1kw	DC36v	1kw	*1
HHC-1-27A	AC100-120v/27A	100v	2.5kw	*1 *2
HHC-1-55A	AC100-120v/55A	100v	5kw	*1 *2
HHC-2-27A	AC200-240v/27A	200v	5kw	*1 *2
HHC-2-55A	AC200-240v/55A	200v	10kw	*1 *2
HHC-4-27A	AC400-480v/27A	400v	10kw	*1 *3
HHC-4-55A	AC400-480v/55A	400v	20kw	*1 *3

*1. In case chiller for water cooler is needed separately.

*2. In case power supply DC24v for air cooler and Pyrometer is needed separately.

*3. Power supply 200-240v for controller is needed separately.

Standard Function

Manual voltage adjustment	Adjustable output voltage from 0 to 98% by volume of the panel.
Manual ON-OFF	Output ON-OFF by switch of the panel.
Remote ON-OFF	Output ON-OFF by signal from Remote.
Remote voltage adjustment *4	Adjustable voltage from 0 to 98% by 4-20mA signal from Remote.
Analog voltmeter	The output voltage of Halogen Heater is indicated by the analog meter.
Analog ammeter *5 *6	The output current of Halogen Heater is indicated by the analog meter.
AC Power Soft-start	At startup, the inrush current is controlled by increasing the voltage slowly.
Overcurrent proteç	The power semiconductor device is protected from the excessive current by the high-speed breaker.
Disconnection detection	With heater burnout detection and display. AC output type limited installed.

Optional Function

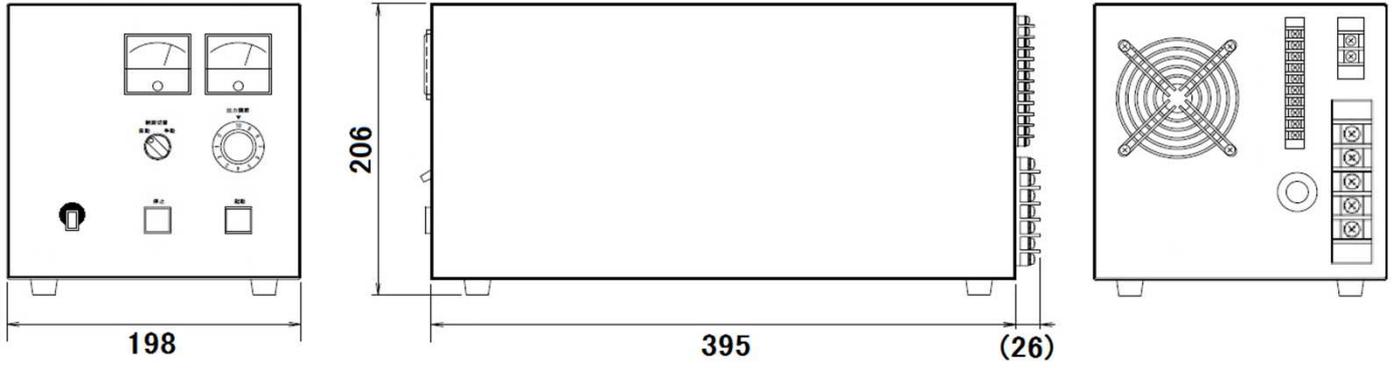
+ TCS *4	With thermo controller : Thermo couple input (K, R, etc.)
+ RDS *4	With thermo controller : Pyrometer(Radiation-thermometer) input
+ OVH *5 *7	Over-heat alarm : For ABH and DGH /+2S type
+ TMR *6 *7	With Timer : For one-shot heating
+ WPS	Cooling Water Low Pressure Alarm
+ APS	ABH/DGH non-air Alarm. Cooling Air Low Pressure Alarm
+ PH	Preheating function : Heater rises at high speed, control inrush current.
+ DC24V	DC power supply for Air cooling fan and the Pyrometer.
+ DD-DC36V	With heater burnout detection and display. DC36V output type limited.

*4. When add the thermo controller function, remote voltage adjustment function is lost.

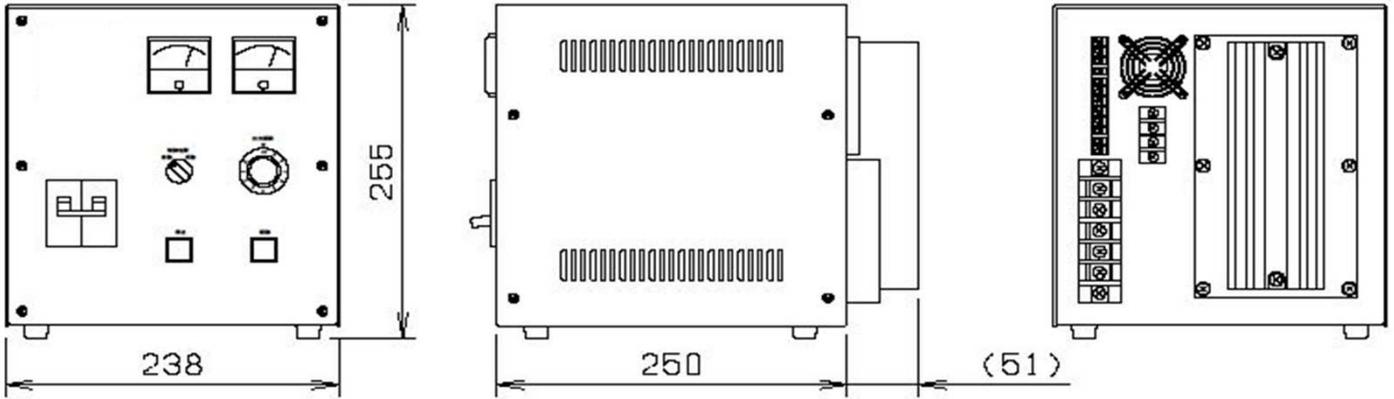
*5. When add the over-heat alarm function, ammeter is lost.

*6. When add the one-shot timer function, ammeter is lost.

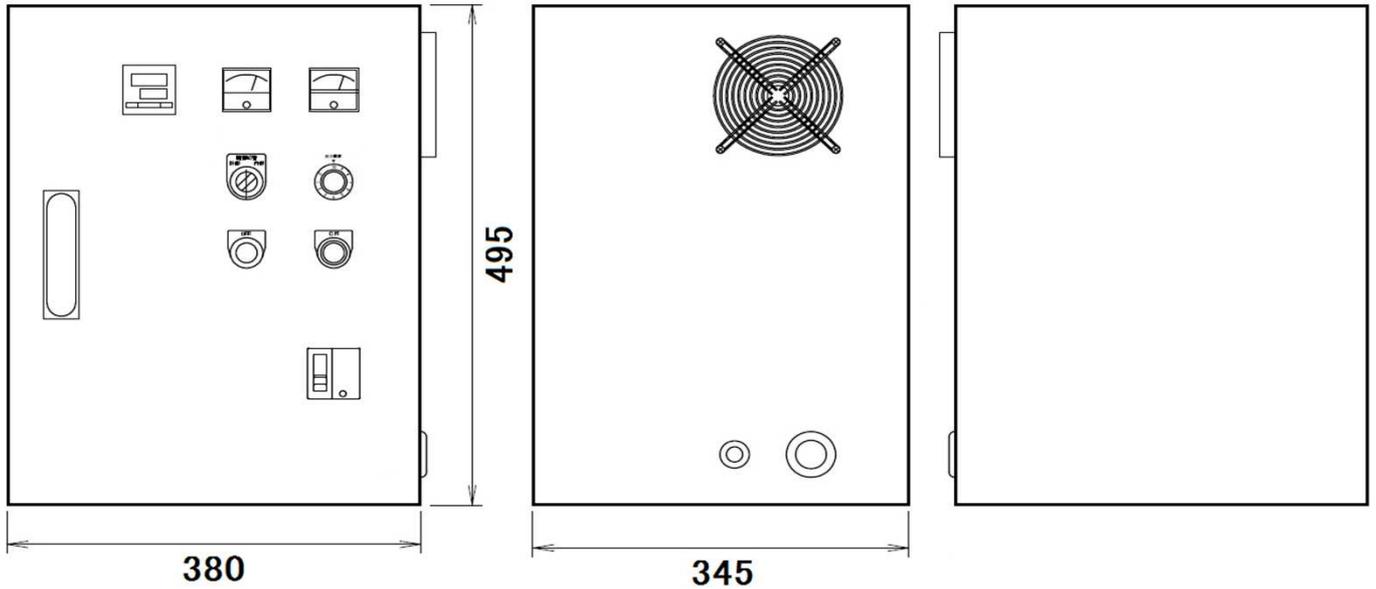
*7. Can not be simultaneous with the TMR function and OVH function.



<< HHC-12v/24v/36v >>



<< HHC-1/2 Outline >>



<< HHC-4 Outline >>

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