

Product Specification

50*25*2.5

General	
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Product name	ALN Ceramic Heater
Model	50*25*2.5
Usage	Heating in Facility
Heater plate: Effective area	50*25mm
Temperature for using	Room temperature ~ 450°C
Load bearing	≤ 1000N

Electric

Voltage for using	1 - 220V
Resistance	$16 \pm 5 \Omega$ (Customizable)
Power consumption	$\leq 3025W$
Watt density	$\leq 242W/cm^2$

Temperature control

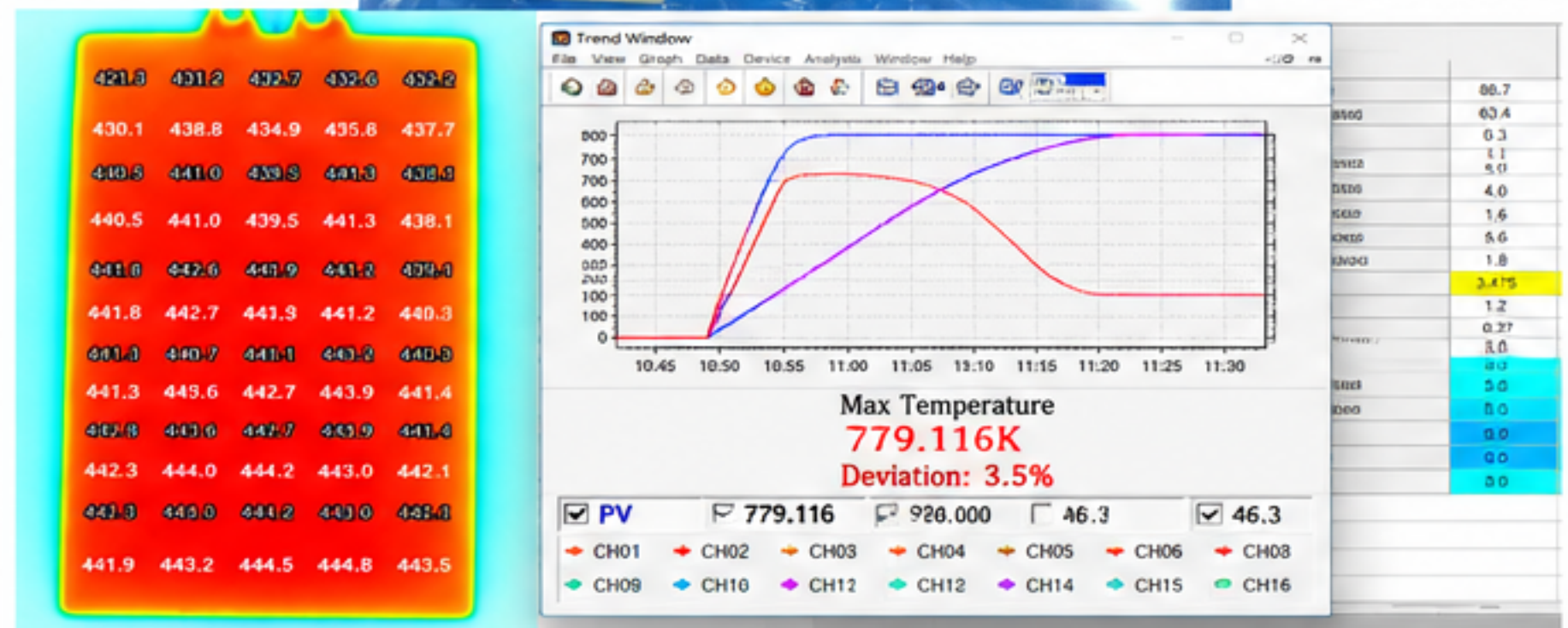
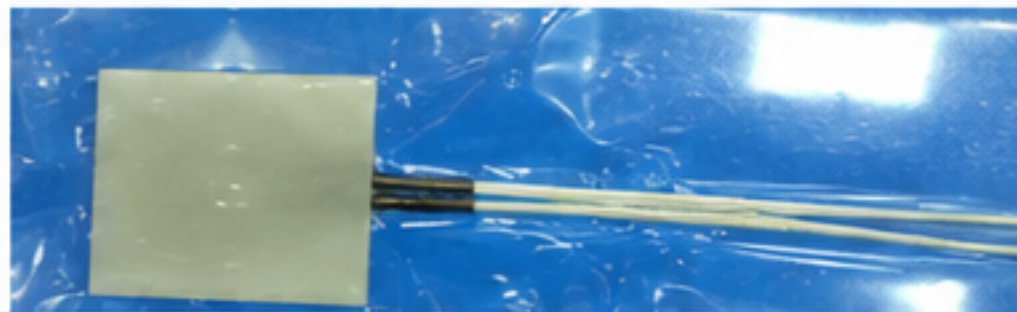
Control	K-type thermocouple control
K-type thermocouple	K-type thermocouple control

Dimension/Surface accuracy

Surface accuracy	≤ 5.0 (μm)
Parallelism	≤ 5.0 (μm)
Surface roughness	≤ 1.5 (μm)

Temperature uniformity	Temperature ramp rate
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Temperature ramp rate

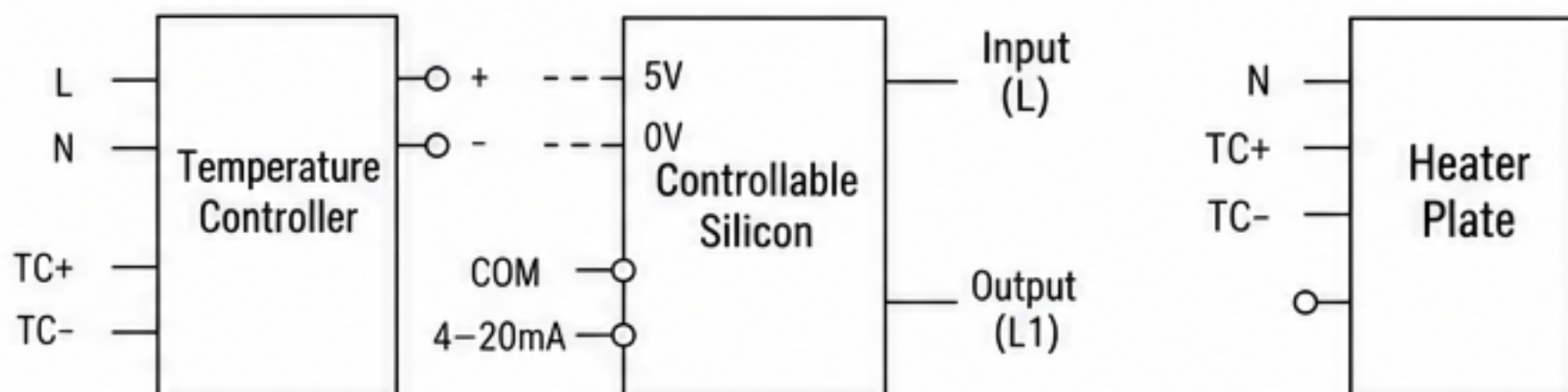


Note: For K-type thermocouple, the yellow wire (magnetic) is negative (-), and the red wire is positive (+).

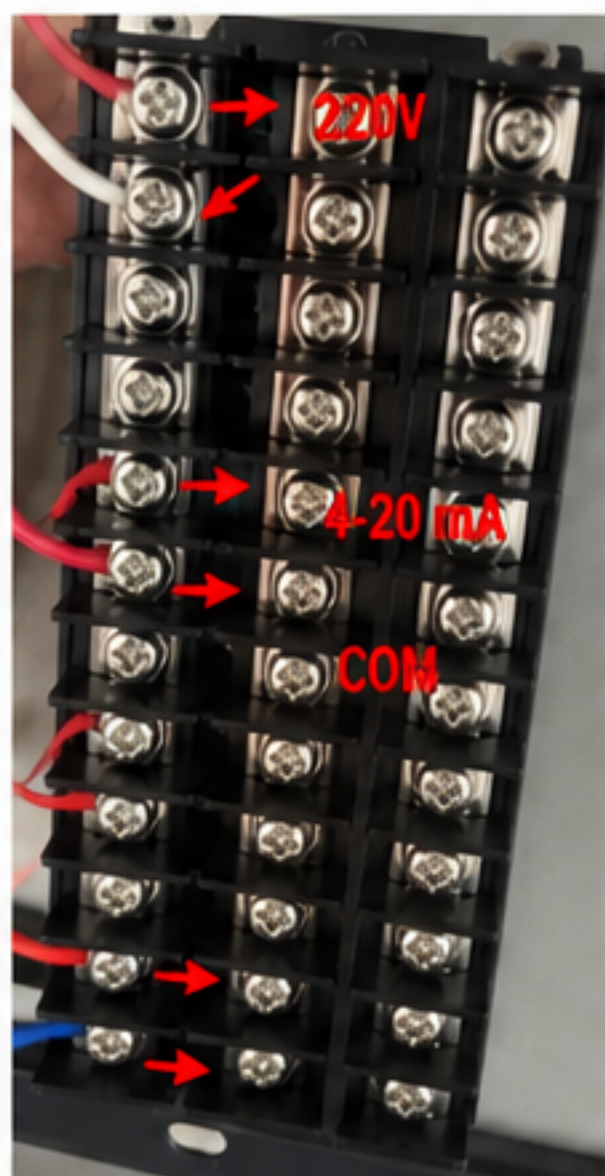
1. Temperature controller selection:

Temperature controller + controllable silicon
(output 0-5V or 0-10V, 4-20mA)

2. Temperature control wiring diagram:



3. Temperature controller wiring and operation:



RKC Controller Parameters

1. Actual temperature (PV) display
2. Set temperature (SV) display
3. Area temperature (AREA) display
4. Output MV value display
5. Set/Confirm key
6. Set Start/Stop key

RKC Controller Operation Method

1. PC software operation
2. Manual operation
 - * Set the output MV value
 - * Set the temperature ramp rate, ramp time, etc.
 - * Press the 6-FUNC key to start and press the 6-FUNC key again to stop