Manuals+ — User Manuals Simplified.

KETOTEK Temperature Controller User Manual

Contents

KETOTEK Temperature Controller
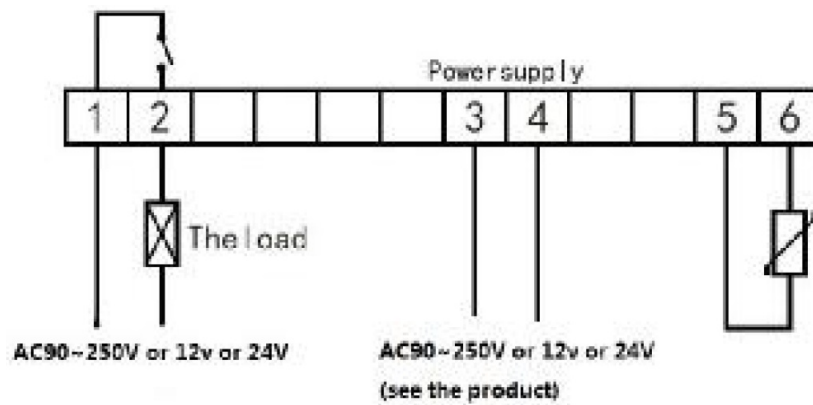
Overview

- Wide range working voltage.
- Support delay start and time shutdown.
- Heating or cooling mode can be set.
- All parameters setting can be saved after short circuit.
- high Control precision 0.1 centigrade
- Can be used for domestic freezer, water tanks, refrigerator, industrial chiller, steamer, industrial equipment and other temperature-controlled
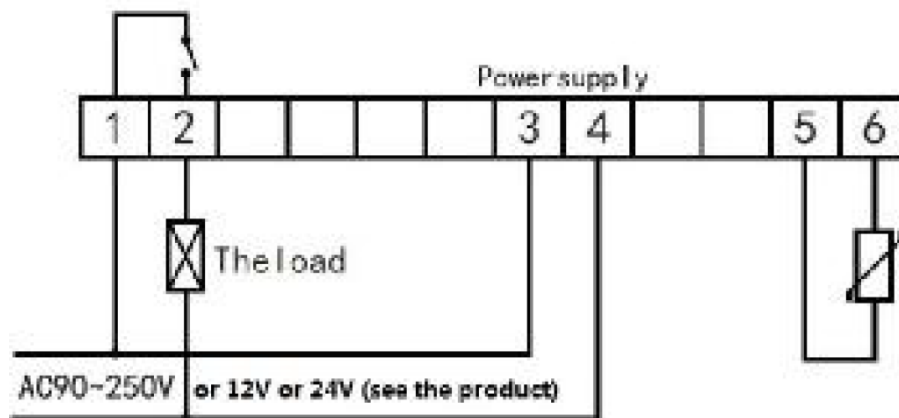
Specification

- Power Supply: AC90~250V 50/60HZ/ DC12V/ DC24V
- Temperature control range:-50~110°C
- Difference Set Value:0.1~30°C
- Resolution Ratio:0.1°C(-9.9-99.9);1°C(other range)
- Measurement accuracy: ±0.1°C
- Control accuracy: 0.1°C
- Measuring inputs: NTC (10K0.5%) Waterproof sensor
- Output:RelayContactCapacity10A/220Vnormallyopen
- Environmental requirements: -20 – 70°C, humidity 20% – 85% RH
- Size: 75mm(L)*34mm (W)*85mm (Depth)
- Hole size: 71(L)*29(W) mm
- Power consumption: Static current: ≤35MA,attract current: ≤65MA

Wiring Diagram

Connection 1: Independent power supply for load.

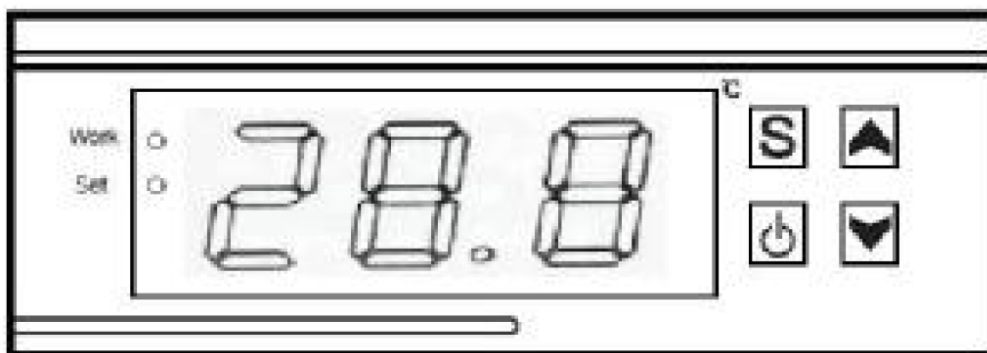**Connection 2:** Same power supply for load.

Key Instruction

S: Set key, Confirm the setting value, Entry and Set parameter. power on/off, or quit the setting.

Increase Value
Work: Output Indicator

Decrease Value
Set: Setting Indicator

Key Operation Instruction

- In normal working status, hold power button for 3 seconds to power off, hold same button for 3 seconds to power on.
- In normal working status, press S. The led flash. Press UP or down to increase or decrease the setting

temperature value. Press S to save it and back to normal screen.

- In normal working status, press S for 3s to enter set mode.
- Press UP + DOWN to switch from HC-A7. Press S to enter any code, press UP + DOWN to change code setting.
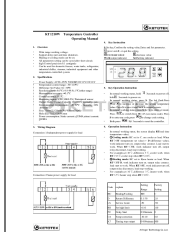- Both press UP + DOWN for 3 seconds to rest the controller.

Operation Instruction

- In normal working status, the screen display RT (real time temperature value).
  - **Cooling Mode:** HC set to C. Use cooler as load. When RT≥ST (temperature set value)+ D (difference value), work indicator turn on. Output relay connect. Load start to work. When RT ≤ST, work indicator turn off, output relay disconnect, load stop working.
  For example, set10℃, difference 3℃, cooler work when RT≥13℃. Cooler stop when RT≤10℃.
  - **Heating Mode:** HC set to H, use heater as load. When RT≤ST-D, work indicator turn on. Output relay connect. load start to work. When RT≥ST, work indicator turn off, output relay disconnect, load stop working.
  For example, set 10 ℃, difference 3℃, heater work when RT≤7℃. Heater stop when RT≥10℃.

Code	Explain	Setting Range	Factory Setting
HC	Heating / Cooling	H/C	C
D	Return Difference	0.1-30	2.0
LS	Set Low Limit	-50	-50
HS	Set High Limit	+110	110
PU	Delay Start	0-90minute	0
CA	Temp Correction	-10-10	0.0
A7	Timing Stop Output	0-999minute	000

Documents / Resources

[KETOTEK Temperature Controller](#) [pdf] User Manual
KETOTEK, KT1210W, Temperature Controller