























Model: RK625A_A3 Thermostat Manual

1. Press  for 3s to start.
Press  for 3s to stop.
2. Set temperature: Press  for 3s, the degree flashing, then press   to set the temperature. Waiting for 6s to exit, the set value will be remembered.
3. Manual demisting: Press  for 3s and display shows  to enter into manual demisting mode, press  for 3s again to exit this mode.
4. Manual defrosting: Press  for 3s and display shows  to enter into manual defrosting mode, press  again to exit this mode.
5. Set parameters: Press  for 6s, display shows PAS, press   to enter pass- word (Its default is 15.) If the password is correct, the parameters can be changed, or it just can be viewed. Press  for 1s and display shows E1, then press  to show E2~C2 in order. While showing the parameters, press  for 1s enter into parameter adjustment mode and press   to change parameter. Then press  again to exit this mode and it recover to parameter selection. Waiting 6s to exit, the set value will be remembered. When the password is 45, the internal parameters of C3~AA appear.
6. 0.1 degree temperature correction, press  +  for 2 seconds, display P1 enter, Press up and down keys to change correction values from -10 to +10, 0.1 degree for each grid



Its factory default value of controlling temperature is -2°C.

Parameter	Function	Range	Default
PAS	Password	0~100	15
E1	Lowest setting temperature	-5°C~ set	-2°C
E2	Highest setting temperature	Set ~ 45°C	20°C
E3	Temperature hysteresis	1~10°C	4°C
E4	Compressor start delay time	3~8 min	3min
E5	Temperature probe adjustment	-5~+5°C	0°C
E6	Defrosting probe adjusting	-2~+2°C	0°C
F0	Defrost kind	0~0	0
F1	Defrost duration	15~60 min	30min
F2	Defrost cycle	1~12h	6h
F3	Defrost termination temperature	5~45°C	8°C
F4	Defrost mode display	=0 display current temperature =1 display temperature beginning defrosting	1

Parameter	Function	Range	Default
C1	Failure mode downtime	5~10min	5min
C2	Failure mode uptime	5~10min	5min
C3	Debug switch	=0 Close the debugging =1 Open the debugging	0
C4	Compressor delay (valve opened first)	1~100s	30s
A1	Electronic valve minimum opening	35~50	42
A2	Electronic valve Maximum opening	50~150	100
A3	Adjustment period above 8°C	1~10 s	5s
A4	Adjusting Temperature difference of electronic valve	1~5°C	3°C
A5	Initial opening of electronic valve	35~100	50
A6	-5~-8 °C adjustment period	10~20s	15s
A7	Adjustment period below -5 °C	1~60s	30s
A8	The fixed opening of electronic valve	35~80	45
A9	Adjusting Temperature deviation of electronic valve	1~5°C	4°C
A0	Ineffectiveness		5
AA	Defrosting electronic valve opening	15~150	150
C5	Condensation probe alarm temperature	40~90°C	60°C
C6	Condensation probe alarm delay	2~60mins	5mins

Function

1. Temperature control

When cabinet temperature is $>\text{controlling temperature} + E3$, the compressor starts. When cabinet temperature is $\leq \text{controlling temperature}$, the compressor stops. In order to protect compressor, the time of each stop need be longer than E4.

2. Defrosting function

It will start defrosting automatically after working for a F2 time, and defrost light will turn on and compressor stops. Time of defrosting reaching parameter F1, it will stop defrosting and enter into normal temperature controlling mode. When F2 is set as "00", it means cancel defrosting function.

3. Cabinet temperature display during defrosting

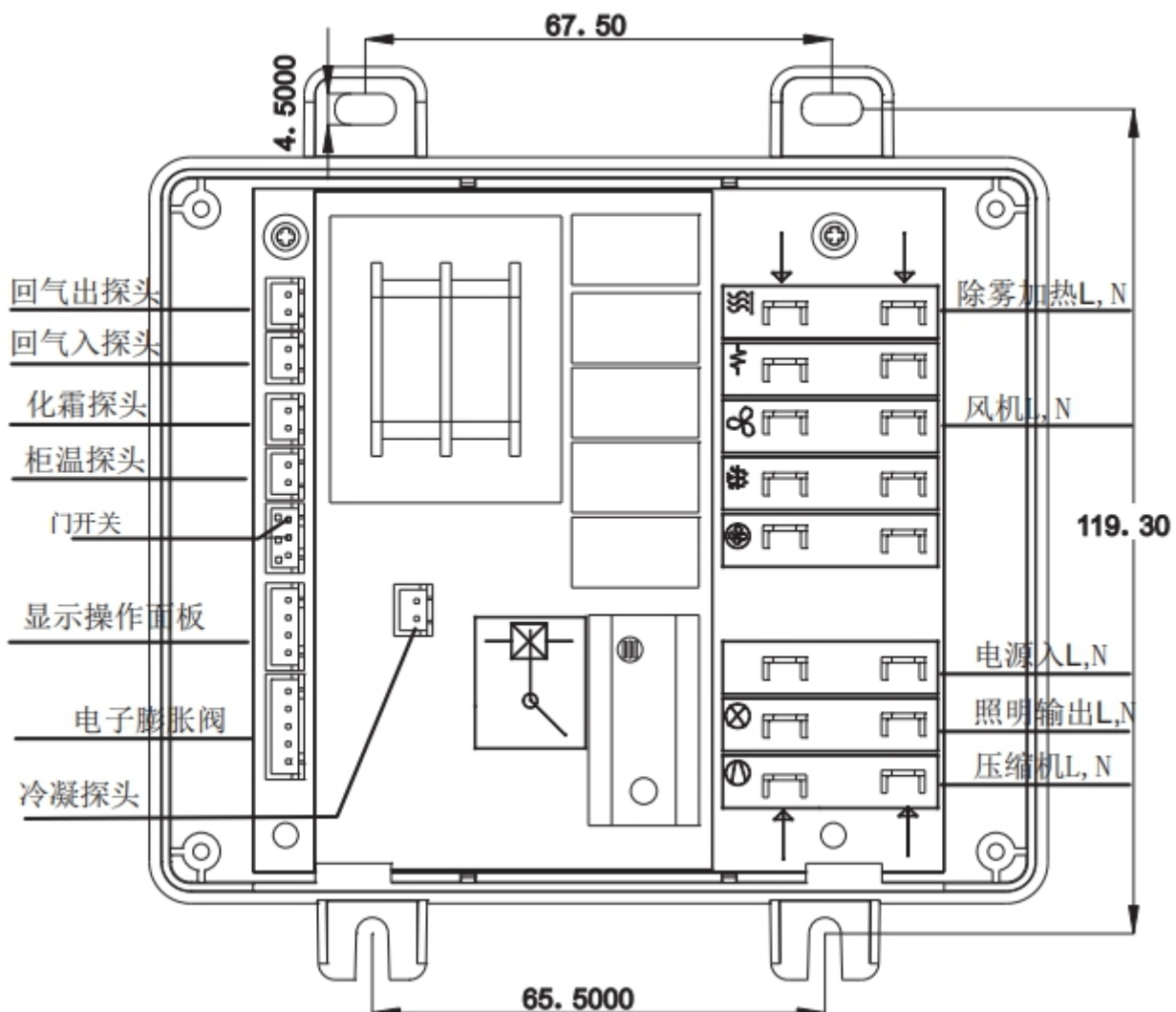
When F4 is zero, it displays current cabinet temperature during defrosting.

When F4 is one, it locks cabinet temperature during defrosting and displays start temperature. When finishing defrosting, cabinet temperature recovers normal temperature display after 20 minutes of time delay or cabinet temperature is lower than controlling temperature. Defrost light flashes during time of delay.

4 Sensor fault

Display will show "Sc" when sensor is short circuited or temperature beyond 99°C . Display will show "So" when sensor is open circuit or temperature below -45°C . When sensor is under this fault, compressor will work for C2 time, and stop for C1 time then circle.

5. wiring diagram



6. Condensation probe high temperature alarm:

When the high temperature of the condensing probe exceeds the set C5 and the duration exceeds C6, the thermostat alarm shows HI. The alarm cannot be silenced.

The alarm can be removed by turning it off and then turning it on. After the condensation alarm, the compressor stops immediately for 10 minutes, and then

The compressor enters the protective working mode and runs with the start and stop parameters C1 and C2, which is not controlled by the cabinet temperature sensor.

Press 1 second to display the temperature of the condenser probe for 3 seconds

Fault code description: E1 liquid inlet probe fault

E2 return gas probe fault

E3 defrosting probe fault

E4 door switch fault

E5 condensation probe fault

Fault code	Fault code description	Remove method
E1	Intake probe malfunction	Replacement of the probe
E2	Return gas probe malfunction	Replacement of the probe
E3	Defrost probe malfunction	Replacement of the probe
E4	Opening time out or door switch failure	Close door or check door magnetic switch
E5	Condenser probe fault	Replacement of the probe
Hi	Condenser high temperature alarm	Clean condenser dust or notify professional maintenance personnel
So / Sc	Open/short circuit of cabinet temperature probe	Replacement of the probe