

户外机柜交流空调器

Outdoor Cabinet AC Air Conditioner

产品简介

应用范围

□本产品广泛应用于户外通讯机柜、电池柜、电气柜、工业控制柜等需要散热的场合。

设计专长

- 实现遥测、遥信、遥调，可实现多重自动保护和全面的故障自诊断功能；
- 精湛工艺及高质量国际名牌配件确保产品更加稳定可靠；
- 适合T3高温工况、R134a环保制冷剂；
- 多重保护功能、可视化人机界面、RS485&RS422接口 (MODBUS-RTU)；
- 循环风机调速功能；
- LED数码管显示，现场参数可设置；
- 加热功能可选；
- 湿度控制功能可选；
- 干接点告警输出，常开/常闭可选；
- 4~20mA温湿度信号输出功能可选；
- 安全防盗，无需增加防护罩。

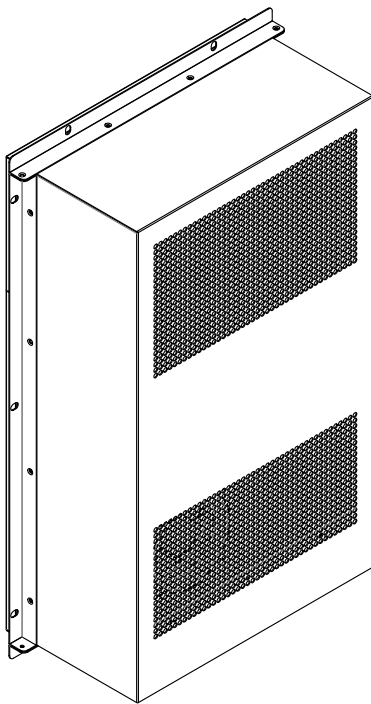
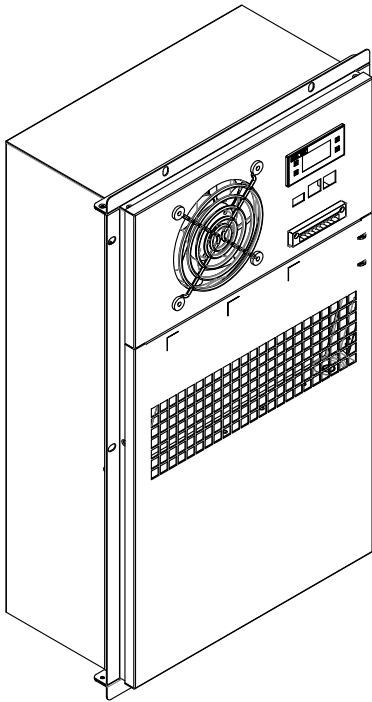
Product Introduction

Range of application

□This series product can be widely used in enclosed area for climate control, such as wireless communication cabinet, battery cabinet, industry control cabinet etc;

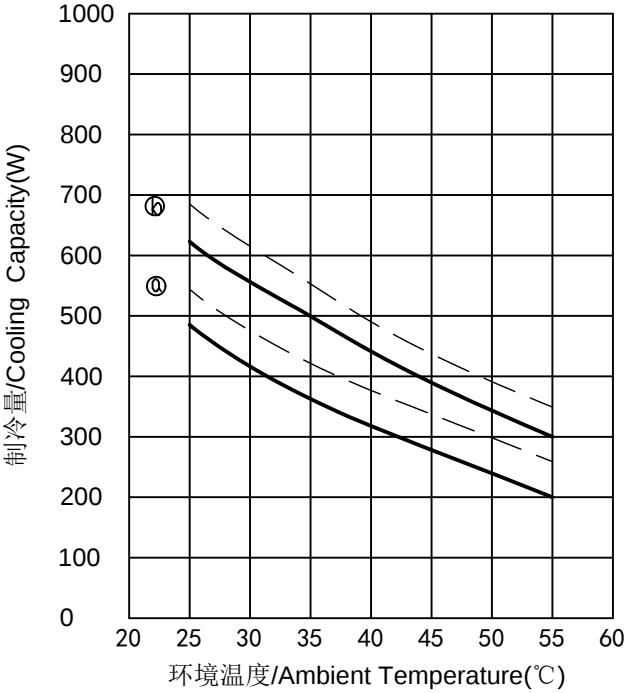
Product Design Feature

- Remote measuring, remote communication, remote control, which can realize multiple automatic protection and comprehensive self-testing function;
- Strict process control and famous brand components to ensure high quality and reliability of this product;
- Fit for harsh condition (T3), R134a refrigerant ;
- Multiple self-protection design & visible monitoring interface, RS485 & RS422 communication port (MODBUS-RTU protocol);
- Circulation fans step speed regulation function;
- LED display, all the settings can changed at the field;
- The heating function is optional;
- Humidity control function is optional;
- Dry contact alarm output, NO/NC optional;
- 4~20mA temperature and humidity signal output by the way of current, this function is optional;
- Anti-theft design, without the protection cover.



产品名称	Name	户外机柜空调器/Outdoor Cabinet Air Conditioner
型号	Model	1194324
固定方式	Mounting Method	侧装/Side Mounting
电源	Power Supply	230VAC±15% 50Hz/60Hz
制冷量	Cooling Capacity	500W@L35/L35
功耗	Power Consumption	210W@L35/L35
制冷量	Cooling Capacity	300W@L35/L55
功耗	Power Consumption	260W@L35/L55
内循环风量	Internal Airflow	120 m³/h
工作温度范围	Working Temperature Range	-40℃~+55℃
最大噪音	Max Noise Level	60dB(A)
IP等级	IP Grade	IP55
净重	Net Weight	15kg
制冷剂	Refrigerant	R134a
外形尺寸(名义)	Dimensions(nominal)	550x320x175(mm,HxWxD)
CE和环保	CE&RoHS Compliant	符合/YES
表面处理	Surface Treatment	Outdoor type powder coating,standard color: RAL7035
加热器	Heater	可选择(500W)/ Optional(500W)

冷量曲线/Cooling Capacity Chart

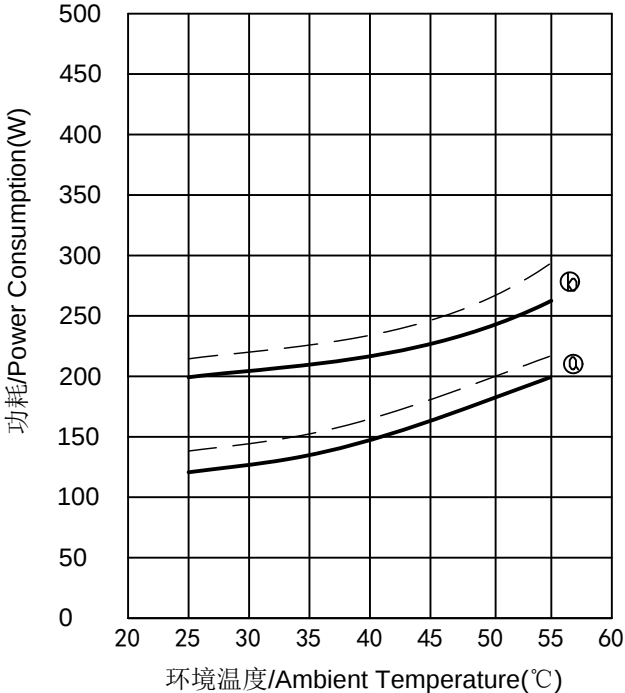


柜内温度
 Cabinet Inside Temperature

①----25℃
 ②----35℃

———50Hz
 - - -60Hz

功耗曲线/Power Consumption Chart

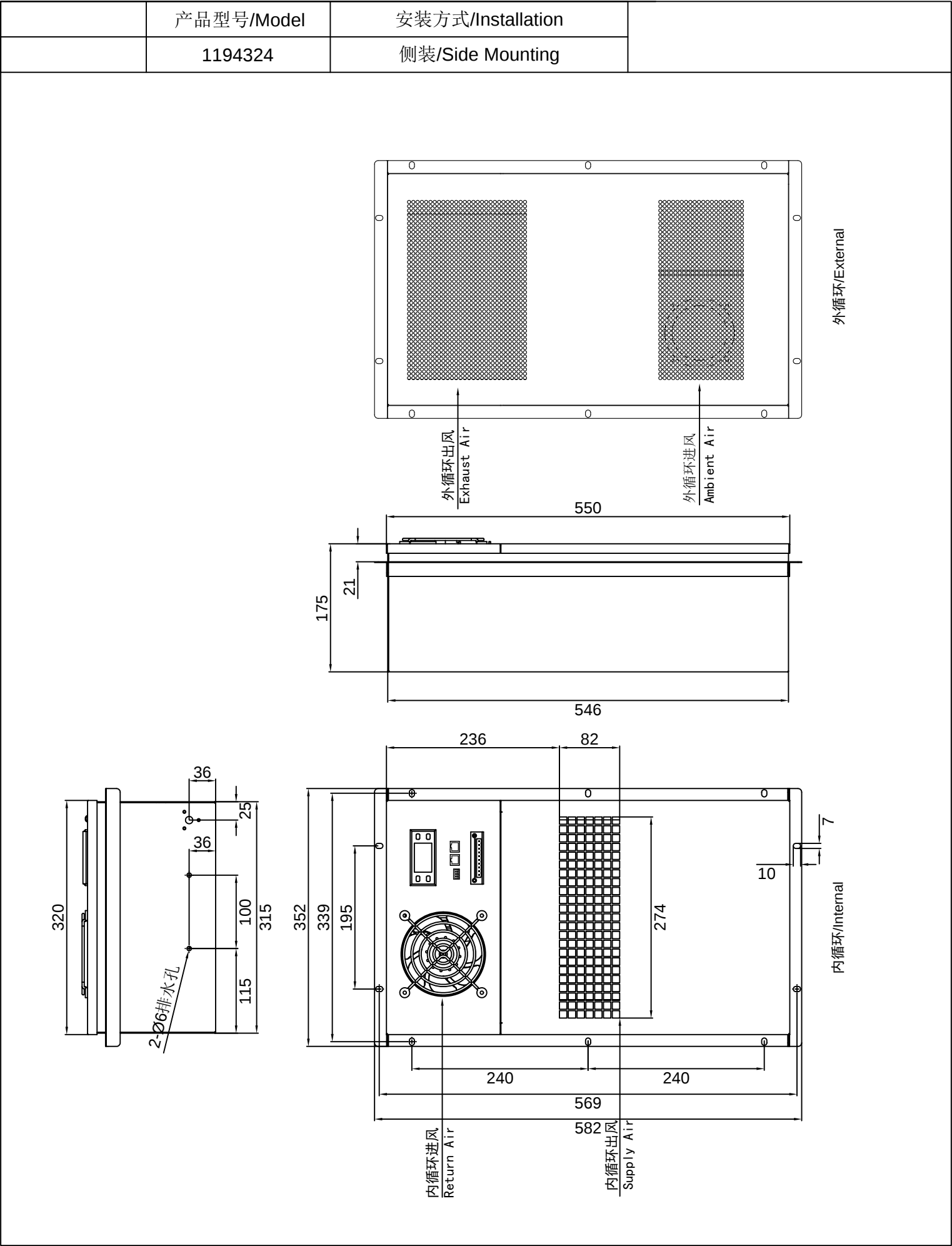


柜内温度
 Cabinet Inside Temperature

①----25℃
 ②----35℃

———50Hz
 - - -60Hz

外形尺寸 / Product Dimension



	产品型号/Model	安装方式/Installation	
	1194324	侧装/ Side Mounting	

图1-柜门开孔尺寸
Figure 1-Cabinet Door Cutting Dimension

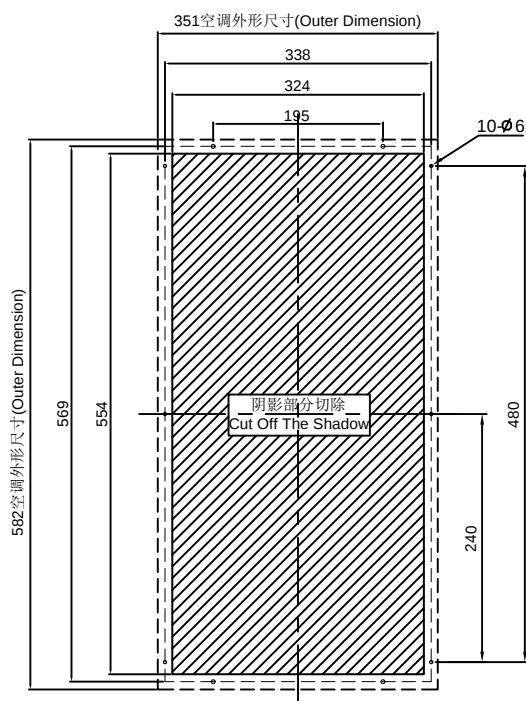


图2-防护罩建议结构
Figure 2-Air open design of cowling

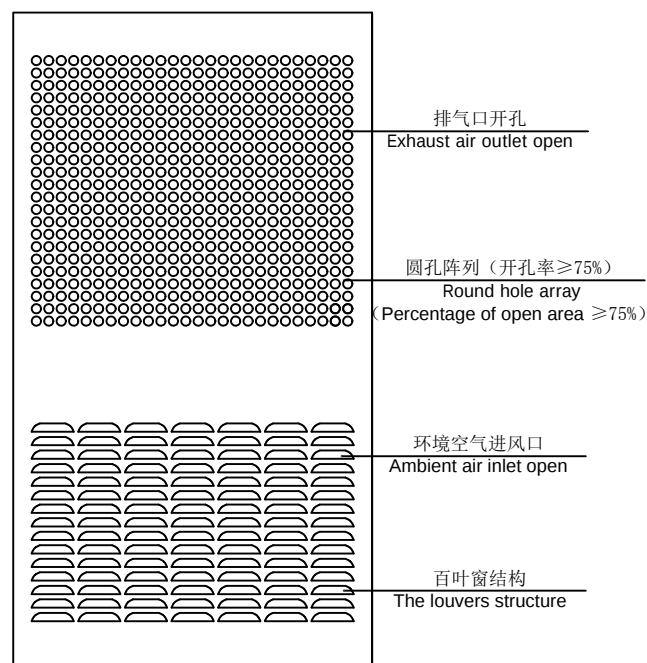
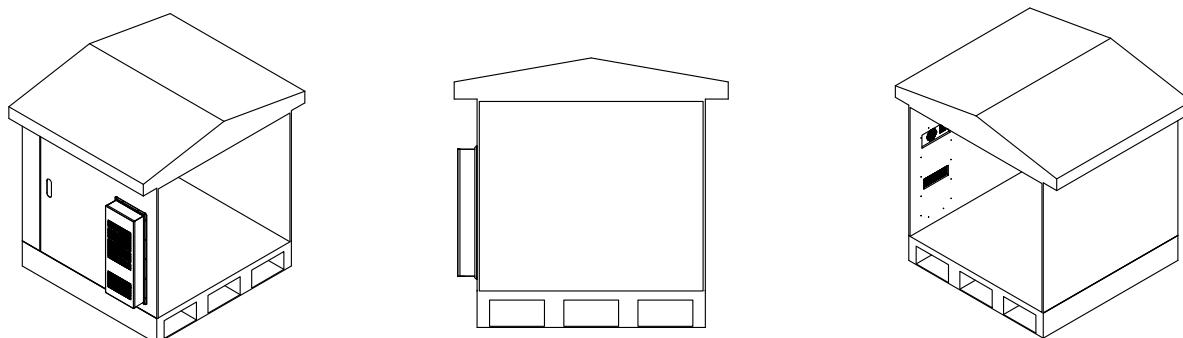


图3-安装示意图
Figure 3-Installation Instruction



注意：

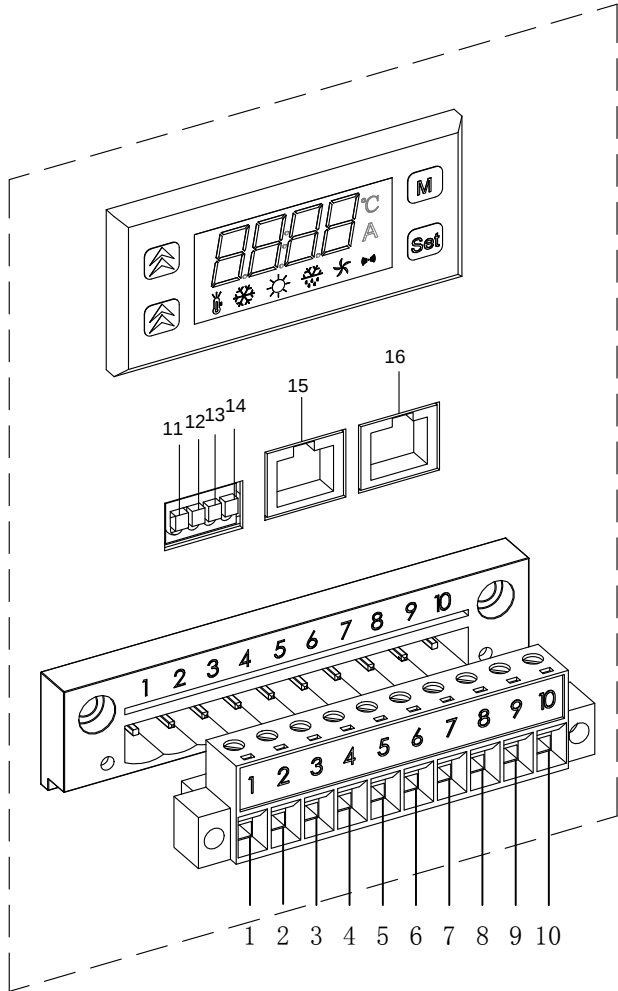
本系列空调不需要安装防护罩, 如果客户确实想安装防护罩, 请遵循以下规则:

1. 防护罩由客户自备, 防护罩的设计请参考图2;
2. 防护罩进风口和出风口开孔面积应足够大, 以确保足够的循环风量, 这对于延长空调的使用寿命和减少维护频率非常重要;
3. 防护罩的进出风口应该防止气流短路, 以便空调可以获得最佳的冷却效果。

Attention:

This series air conditioner does not need a cowl, if customer does want to put a cowl outside unit, please follow below rules:

1. The cowling can be made by customer self, the design of cowling please refer to figure 2
2. The inlet and outlet open for ambient air in and exhaust air out should be big enough to ensure enough air volume circulation. This is very important to have the air conditioner running with long lifetime and less service.
3. When you make a cowling design/installation, make sure the inlet air and outlet air not been short cut, this is also critical to keep unit have best cooling performance.



手操器使用说明：

在正常情况下，手操器显示柜内温度。告警时显示告警代码；

手操器底部为状态栏，不同的指示灯代表不同状态：

- 🔦：闪烁表示空调处于自检状态或温度设置状态；
- ❄️：闪烁表示空调即将进行制冷；常亮表示空调正在进行制冷；
- ☀️：常亮表示空调正在进行制热；
- ✳️：常亮表示外风机正在运行；
- 🔔：闪烁表示有告警发生；

Instructions of display panel:

The display panel shows cabinet temperature under normal circumstance. and shows alarm code when there is a malfunction.

In the bottom is the status bar, different lamp represents different status.

- 🔦：Flashing when self diagnosis or temperature setting mode.
- ❄️：Lamp on when cooling;
- ☀️：Lamp on when heating;
- ✳️：Lamp on when external fan is running;
- 🔔：Flashing when alarm.

符号 / Symble	定义 / Definition	描述 / Description
电源输入 Power input	1 交流电源火线L Live line of AC power	/
	2 交流电源零线N Neutral line of AC power	/
	3 电源地线PE Ground wire of power	/
空位 NA	4 NA	/
	5 NA	/
	6 NA	/
温度输出4~20mA(+)	7 4~20mA 温度输出正极 4~20mA temperature output postive	/
温度输出4~20mA(-)	8 4~20mA 温度输出负极 4~20mA temperature output negative	/
湿度输出4~20mA(+)	9 4~20mA 湿度输出正极 4~20mA humidity output postive	/
湿度输出4~20mA(-)	10 4~20mA 湿度输出负极 4~20mA humidity output negative	/
告警输出	11 干接点告警输出	11-干接点常闭端口NC
	12 干接点公共端口COM	12-干接点公共端口COM
控制输入	13 控制输入,常闭	接受外部控制信号来控制空调。 Accept external control signal to control the air conditioner.
	14 External signal input port,close	
通讯接口	15 RS 485/RS422 通讯接口	/
	16 RS 485/RS 422 communication port	