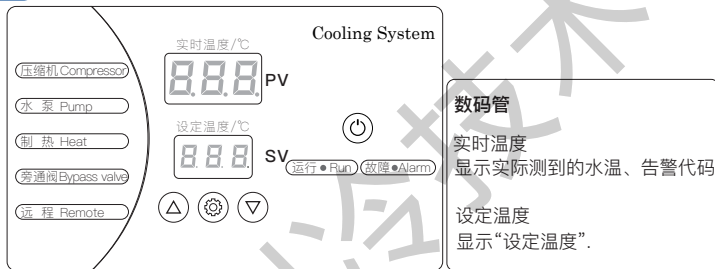


## 温控器与报警说明(简易)

新型智能控制器一般情况下不需要调整控制参数，它会根据系统内置程序自动调整，也可以由用户自定义，保证满足设备的冷却要求。

### 1 控制器面板介绍



#### 指示灯

#### 用途

|      |                                                       |
|------|-------------------------------------------------------|
| 压缩机  | 点亮: 压缩机开启; 闪烁: 有制冷需求但还未开启压机; 熄灭: 压缩机关闭。               |
| 泵    | 常亮, 水泵不受控制器控制。                                        |
| 加热   | 点亮: 加热开启; 熄灭: 加热关闭。<br>切换到低温水面指示低温水加热, 切换到常温水面指示常温水加热 |
| 电磁阀  | 点亮: 旁通阀开启; 熄灭: 旁通阀关闭。                                 |
| 远程   | 点亮: 远程开关闭合; 熄灭: 远程开关断开。                               |
| 运行   | 点亮: 机组工作; 闪烁: 机组为防冻模式 熄灭: 机组停机。                       |
| 故障指示 | 闪烁: 有故障; 熄灭: 无故障                                      |

#### 按键

#### 用途

|             |                             |
|-------------|-----------------------------|
| 开关键         | 开机或关机                       |
| 设定键         | 非故障状态下, 按<Set>键, 进入/退出设定温度。 |
| 向上/下键 (▲ ▼) | 设置参数过程中, 修改参数值。             |

### 2 报警功能

| E1      | E2      | E3      | E4   | E5   | E6   | E7    | E8      | E9      | E10     | E11     |
|---------|---------|---------|------|------|------|-------|---------|---------|---------|---------|
| 低温水探头故障 | 低温水高温故障 | 压缩机压力故障 | 相序错误 | 流量报警 | 液位报警 | 压缩机过载 | 低温水低温告警 | 常温水探头故障 | 常温水高温告警 | 常温水低温告警 |

报警时, 交替显示温度和故障代码, 需要手动复位的故障, 故障消除后可通过按<Set>键复位故障。

### 3 一般设定调整

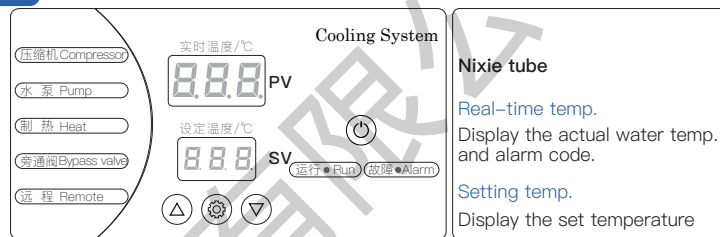
非故障状态下, 按<Set>键后, SV的设定温度闪烁显示, 此时可通过按<Up>或<Down>键修改设定温度

(在低温水面时为低温水设定温度, 在常温水面时为【F01常温水温差】且主界面不可修改), 设定完成后按<Set>键保存设定值并退出设定状态。(若设定过程中, 5秒无按键操作, 系统将自动保存设定值并退出设定状态)。

## Temperature controller and alarm description (simple)

In general, the new intelligent controller does not need to adjust the control parameters. It can be automatically adjusted according to the built-in program of the system or customized by the user to ensure that the cooling requirements of the device are met.

### 1 Controller panel introduction



#### Nixie tube

#### Real-time temp.

Display the actual water temp. and alarm code.

#### Setting temp.

Display the set temperature

#### Indicator light

#### Application

|                    |                                                                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compressor         | Light on: Compressor on; Light flickering: Need for refrigeration but compressor is off; Light off: Compressor off                                                                                           |
| Pump               | Normally on, The pump is not controlled by the controller                                                                                                                                                    |
| heat               | Light on: Start heating; Light off: Finish heating; Switching to low temp. water interface indicates low temp. water heating, switching to normal temp. water interface indicates normal temp. water heating |
| Solenoid valve     | Light on: Bypass-valve on Light off: Bypass-valve off                                                                                                                                                        |
| Remote             | Light on: Remote switch on Light off: Remote switch off                                                                                                                                                      |
| Running            | Light on: Working; Light flickering: Antifreeze mode; Light off: Stop                                                                                                                                        |
| Failure indication | Light flickering: Fault Light off: No fault                                                                                                                                                                  |

On-off key ON or OFF

Setting button In non-fault state, press <Set> key to enter/exit the Set temp.

Up/Down button Modify parameter values during parameter setting

### 2 Alarm Function

| E1                                  | E2                                      | E3                                        | E4                              | E5         | E6                 | E7                  |
|-------------------------------------|-----------------------------------------|-------------------------------------------|---------------------------------|------------|--------------------|---------------------|
| The low temp. water probe is faulty | Low temp. water high temp. fault        | Compressor pressure failure               | Phase sequence error            | Flow alarm | Liquid level alarm | compressor overload |
| E8 temp. water Low temp. alarm      | E10 Normal temp. water High temp. alarm | E9 The normal temp. water probe is faulty | E11 temp. water low temp. alarm |            |                    |                     |

When the alarm is generated, the temperature and fault code are displayed alternately. If the fault needs to be manually reset, the fault can be reset by pressing the <Set> key after the fault is eliminated.

### 3 General setting adjustment

In non-fault state, after pressing <Set> key, the light of the Set temperature of SV flashes. At this time, the Set temperature can be modified by pressing <Up> or <Down> button

(Set the temperature of low-temperature water on the low-temperature water interface, and [F01 Normal temperature water Temperature difference] on the normal temperature water interface, and the main interface cannot be modified). After setting, press <Set> to save the Set value and exit the setting state. (If there is no button operation for 5 seconds during the setting process, the system will automatically save the set value and exit the setting state)