

W1209 功能说明
Function Description of W1209

温度控制范围: -55~120 度
Temperature Control Range: -55°C~120°C
控制温度精度: 0.1 度
Temperature Control Accuracy: 0.1°C
显示颜色: 红色 / 蓝色
Color of Displaying: red / blue
电源电压: 12V
Power Supply Voltage: 12V
数据保存: 有
Data Storage: yes
继电器: 20A
Relay: 20A
外观尺寸: 49MM*40MM*14MM
The size of appearance: 49mm*40mm*14mm
固定孔距: 40MM*32MM
Fixed Hole distance: 40MM*32MM
固定孔径: M3
Fixed Hole size: M3

代码说明:
Code Description:

代码 / Code	说明 / Explanation	设定范围 / Setting range	出厂设置 / Factory Setting
P0	加热 / 制冷 Heating/Cooling	H/C	C
P1	回差 Return Difference	0.1~30°C	2.0°C
P2	设定限制范围 Setting Limits to the Maximum	+120°C	120°C
P3	设定限制最低 Setting Limits to the Minimum	-55°C	55°C
P4	温度校正 Temperature Correction	+10~-10°C	0°C
P5	延迟启动 Delay Start	0~10 分钟 0~10minutes	0
P6	高温报警 High-temperature Alarm	-55°C~120°C	OFF
P7	数据锁定 Data Lock	ON-OFF	OFF
P8	恢复出厂设定 Factory Reset	ON-OFF	OFF

此功能用于温度校正,如果实际温度和实际温度有偏差时可以使用此功能校正,校正的值 = 测量值 + 校正值,例如我们测量出温度为 25.6 而实际温度是 25.8 度,即可将 P4 设定为 0.2,那么显示温度就是 25.6+0.2=25.8 度了。
This function is used to correct the temperature, if there is deviation of the measured temperature and the actual temperature, you can use this function. For example, we measure the temperature of 25.6°C and actual temperature of 25.8°C, then you can set P4 to 0.2°C, then the displaying temperature is 25.8°C.

P5: 延迟启动

P5: Delay Start

此功能一般用于压缩机制冷,如果购买此温控器用于冰箱或者冰柜那么此值必须设定的,根据压缩机的回压力一般设定值为 3~6 分钟,如果不是控制压缩机或者不需要延时的功能此值设置为 0。
This function is generally used for the cooling of the refrigerator compressor, if you purchase the temperature controller for the refrigerator or freezer, so this value must be set, according to return to the size of the pressure of a compressor. Generally it is set for 3~6 minutes, if it is not for controlling compressor or do not need the delay function, this value is set to "0".

P6: 高温报警

P6: High-temperature Alarm

设定: 高温报警,当实际温度超过此值时屏幕和蜂鸣器会同时提示报警,同时也会切断输出,保护电路安全。报警是屏显示"H" "H""H"提示,蜂鸣器发出"滴" "滴" "滴"的声音。
After setting the high-temperature alarm value when the actual temperature exceeds the alarm value, the screen and the buzzer will alarm together at the same time, it will also cut off the output, protect the circuit, and when alarming the screen displays the sign "HHH", the buzzer will send the sound like "DI DI DI".

P7: 数据锁定

P7: Data Lock

如果设定值需要保护,防止他人随意修改,可以在设定参数完成后进入 P7 设定为 ON,设定完成后,温度和回差参数将不会修改。除非进入 P7 设定为 OFF。
If you need to prevent other people to falsify your setting value, you can set P7 to ON after finishing the setting of the parameters. After setting to ON, the temperature and the internal parameters will not be falsified.

P8: 恢复出厂设定

P8: Restore Factory Settings

当设定值错乱或者发生故障,可进入 P8 调成 ON 可恢复出厂设定,也可以按上下键开机恢复出厂设定。

温度设定
Temperature Setting

温控器上电后即显示初始温度,按一次 SET 键屏幕闪烁,按上下键调整温度。After the temperature controller is connected the power, it displays the actual temperature, and press the key SET screen will flash, then please press the key UP and DOWN to adjust the temperature.

长按 SET 键 5 秒进入系统设置。设定完成后长按 SET 确认返回。
Please press the key SET for 5 seconds all the time to enter the setting system. Then please press the key SET for 5 seconds to return after accomplishing the setting.

P0: 工作模式

P0: Working Mode

当第一次拿到温控器使用的时候就要设定此值,如果用于升温加热就设定为 H 如果用于降温制冷就设定为 C。
This value should be set when you start to use the temperature controller, if it used for heating up, it should be set to "H", if used for cooling and it should be set to "C".

P1: 回差设置

P1: Return Difference Setting

回差就是当温度控制到达设定温度停止后,再次工作需要的差值。比如我们设定为加热模式,温度为 37.40 度,那么回差就是 3 度。
The return difference is that when the temperature controller reaches the temperature that we have set, the differences of temperatures that we need. For example, we set the heating mode, the temperature is 37.40°C, then the return differences are 3°C.

P2-P3: 设定限制范围

P2-P3: Setting Limits

P2-P3: 此功能设定温度限制范围,并非参与设计设定温度,正常状态下温控器的设定范围是 -55~120,如果买那么大的范围,就可以使用此功能将设定范围的范围。如果 P2 设定为 50, P3 设定为 20,那么温控器的设定范围只能在 20~50 之间设定。
This function is to set the temperature range of limited value, not to involve the design of setting temperature, under the normal state, the thermostat setting range is -55°C ~ 120°C. If you do not need so big range, you can use this function to shorten the setting value range. If P2 is set to 50°C, P3 is set to 20°C, so the thermostat just can be set from 20°C to 50°C.

P4: 温度校正

P4: Temperature Correction

控制加热设备, 需要 30 度停止加热, 2.5 度自动加热, 设置如下:
Controlling the heating equipment, it stops heating when the temperature is 30°C, starts heating when the temperature is 25°C. The setting way as follows:
1. 在显示常温情况下, 按一下 SET, 设置数字闪烁, 然后按下“UP”和“DOWN”键, 加载数字, 设置到 30 度, 然后按一下 SET 确认返回。
1: In the state of displaying the normal temperature, please press the key SET to set the number flashing, then please press the button UP or DOWN to add and subtract Numbers to 25°C, and finally press the key SET to confirm return.
2. 在显示常温情况下, 长按 SET 5 秒, 温控页面显示 P0(模式代码), 然后再按一下 SET, 进入 P0 代码参数设置界面, 然后按下下键调整值为 H 模式, 然后按一下 SET 确认返回。
2: In the state of displaying the normal temperature, please press the key SET for 5 seconds all the time, it will display the P0 (mode code) on the temperature control page, then press the key SET to enter P0 code parameter Settings interface, and please press the button UP and DOWN to adjust for H mode, finally please press the key SET to confirm return.
3. 在显示常温情况下, 长按 SET 5 秒, 温控页面显示 P0(模式代码), 按下键, 调整到 P1 代码(回差), 然后再按一下 SET, 进入 P1 代码参数设置界面, 然后按下下键调整参数值为 5, 然后再按一下 SET 确认返回。
3: In the state of normal temperature, please press the key SET for 5 seconds all the time, when it displays the P0(mode code) on the temperature control page, please press the button UP to adjust to the code P1(return difference), then please press the key SET again to enter parameter Settings interface of the P1, and please press the button UP and DOWN to set the parameter value to 5, finally please press the key SET to confirm return.
4. 以上设置完成, 工作模式就是, 30 度停止加热, 2.5 度自动加热, 如需要其他温度设置, 请参照以上设置方法。
4: When finishing the all settings, the working mode is that the temperature controller will stop heating when the temperature is 30°C, starts heating when the temperature is 25°C, if you need to set other temperatures, please refer to the above Settings.

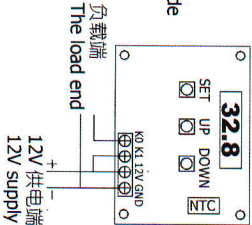
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设置案例:
The Example about Setting:
控制制冷设备, 需要 25 度停止制冷, 30 度自动制冷, 设置如下:
Controlling refrigeration equipment will stop cooling when the temperature is 25°C, start cooling when the temperature is 30°C. The setting way as follows:
1. 在显示常温情况下, 按一下 SET, 设置数字闪烁, 然后按下“UP”和“DOWN”键, 加载数字, 设置到 25 度, 然后按一下 SET 确认返回。
1: In the state of displaying the normal temperature, please press the key SET to set the number flashing, then please press the button UP or DOWN to add and subtract Numbers to 25°C, and finally press the key SET to confirm return.
2. 在显示常温情况下, 长按 SET 5 秒, 温控页面显示 P0(模式代码), 然后再按一下 SET, 进入 P0 代码参数设置界面, 然后按下下键调整为 C 模式, 然后按一下 SET 确认返回。
2: In the state of displaying the normal temperature, please press the key SET for 5 seconds all the time, it will display the P0(mode code) on the temperature control page, then press the button UP and DOWN to adjust for C mode, finally please press the key SET for 5 seconds to confirm return.
3. 在显示常温情况下, 长按 SET 5 秒, 温控页面显示 P0(模式代码), 按下键, 调整到 P1 代码(回差), 然后再按一下 SET, 进入 P1 代码参数设置界面, 然后按下下键调整参数值为 5, 然后再按一下 SET 确认返回。
3: In the state of normal temperature, please press the key SET for 5 seconds all the time, when it displays the P0 (mode code) on the temperature control page, please press the button UP to adjust to the code P1 (return difference), then please press the key SET again to enter parameter Settings interface of the P1, and please press the button UP and DOWN to set the parameter value to 5, finally please press the key SET to confirm return.
4. 以上设置完成, 工作模式就是, 25 度停止, 30 度启动, 如需要其他温度设置, 请参照以上设置方法。
4: When finishing the all settings, the working mode is that the temperature controller will stop cooling when the temperature is 25°C, starts cooling when the temperature is 30°C, if you need to set other temperatures, please refer to the above Settings.

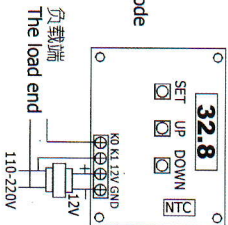
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When setting valve disorders or failures, you can enter the P8 to set the ON, which can restore the factory settings, you can also press the button UP and DOWN to restore the factory settings.

12V 接线方式
12V connecting mode



110-220V 接线方式
110-220V connecting mode



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