

WSK2039 Temperature And Humidity Monitor

Please read the instructions carefully before using and keep it for your reference at any time.

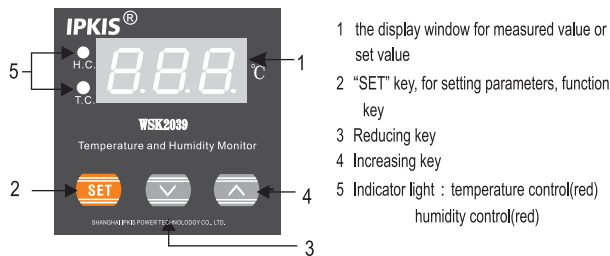


WARNING

- Wiring warning
If equipment failure or an error occurs, which may cause system failure, please install an external protection circuit to prevent such accidents.
To avoid instrument damage or failure, please use the appropriate fuse to prevent power wires, input and output wire from high current shocks.
- Power supply
To avoid instrument damage or failure, please use the rating supply of power.
To avoid electric shock or instrument failure, please complete all wire connection appropriately before you offer the power supply.
- Do not use the instrument near flammable gases
To prevent from fire, explosion or damage, do not use it in places with flammable, explosive air and steaming.
- Forbid strictly to touch instrument inside
To prevent from electric shock or burn, non-touch equipment inside. Only the factory service engineers can check the internal wiring or replacement parts.
the instrument inside has a high voltage, high temperature components. Very dangerous!!
- Changes personally in equipment is strictly prohibited
To avoid accidents or equipment failure, changes in equipment is strictly prohibited.
- Maintenance
Instruments should be regularly maintained to ensure continuous and safe usage. Some parts inside may be damaged when time extends.

1. Overview

This monitor can be widely used in places with high precision controlling for temperature and humidity with advantage of small tolerance, high control precision, clear display and simple style.



- 1 the display window for measured value or set value
- 2 "SET" key, for setting parameters, function key
- 3 Reducing key
- 4 Increasing key
- 5 Indicator light : temperature control(red) humidity control(red)

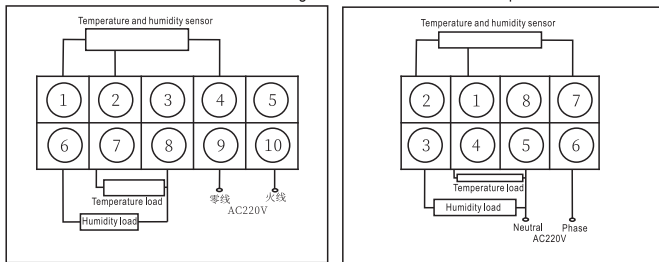
2. Technical parameters

- 1) Operating voltage : AC240V±10% 50Hz
- 2) Water condensation : 85%RH±5%RH(Just 20℃)
- 3) Temperature range : -9~99℃
- 4) Temperature hysteresis : 0~20℃
- 5) Temperature Correction : -9~+9℃
- 6) Temperature control mode : heating / cooling (user-programmable)
- 7) Master output Active, 1 times operating voltage, resistive load rated power AC240V 3A×2
- 8) Size : 48x48x78mm³, embedded or base-type installing (order specified)
- 9) Power: ≤5W

3. Installing type and wire connection

Embedded type: open on hole with 45.5^{+0.5} mmx45.5^{+0.5} mm on panel, fix the monitor on equipment panel by mounting bracket.

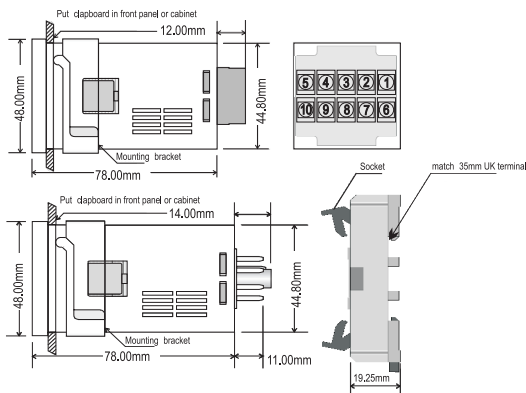
Based type installing: insert 8-pin plug into the relay seat, and fix the seat rail to 35mm mounting or install screws to fix it on plate



Embedded install layout

Based install layout

4. Body dimension

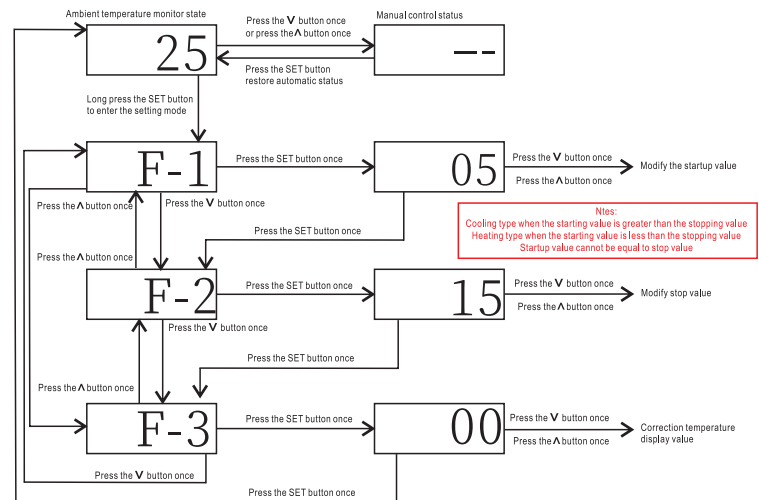


5. Operating Instructions

- 1) Correct wiring in accordance with the attached wiring diagram (Note distinction between active voltage output and passive contact output);
- 2) Set control target value, set as follows:
Press reducing or increasing keys on front panel to adjust the "Settings" value till the user desired value to complete the setup.

6. Function explanation

- 1) Correct wiring in accordance with the attached wiring diagram (Note distinction between active voltage output and passive contact output);
- 2) Set control target value, set as follows:
Press "SET" button for 3 seconds till enter SETUP mode
The user can press "∧" or "∨" key to increase or decrease settings, when adjust to the desired value, press the "SET" key to enter the next parameter settings. Press "SET" button at least 1.5 seconds to exit the parameter setting mode and automatically store data.
Parameter flow chart as shown below:



Notes:
Cooling type when the starting value is greater than the stopping value
Heating type when the starting value is less than the stopping value
Startup value cannot be equal to stop value

3) Temperature Monitoring

Heating type: heat when measured temperature value \leq (setting point), stop heating when temperature \geq (setting point + return difference)

Cooling type: exhausting when measured temperature value \geq (setting point), stop exhausting when temperature \leq (setting point - return difference) temperature control lights on panel turn on, and the internal relay is closed, work load terminal get operation power

4) Humidity monitoring

A. No show for humidity monitoring value

B. This condensation control is fixed desiccant type. Condensing start control point: 85% RH \pm 5%RH (or user specified), when the ambient humidity increases to close to this value, start automatically load dehumidification

7. Fault Description

When the window show "uuu" please check if the sensor connection is normal or not.

SHAGNHAI IPKIS POWER TECHNOLOGY CO., LTD.
ADD: Building B, No.455, YanZhan Road, Jiuting Town
Songjiang District, 201615 P.R. China
TEL: 021-51693866
FAX: 021-51872552
http://www.ipkis.com.cn ipkis@ipkis.com.cn

WSK2039 型温湿度监控器

产品使用前请仔细阅读本说明书，以便正确使用。并请妥善保存，方便您随时参考。



警告

接线警告

如果仪器失效或发生错误，可引起系统故障，请安装外部保护电路以防止此类实物发生。

为防止仪器损坏或失效，选用适当的保险丝保护电源线及输入、输出线以防强电冲击。

电源供给

为防止仪器损坏或失效，请用额定电源供电。

为防止触电或仪器失效，所有接线完成并确认接线正确后方可供电。

禁止在易燃气体附近使用

为防火、防爆或仪器损坏，禁止在有易燃、易爆气体，排放蒸汽的场所中使用。

严禁触及仪器内部

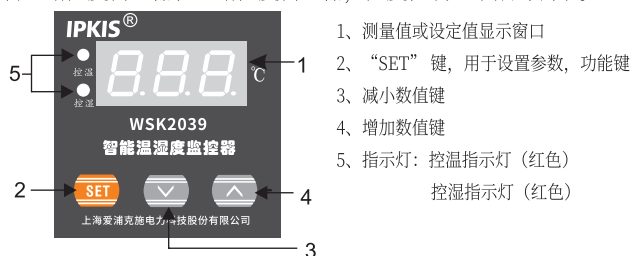
为防止触电或燃烧，严禁触及仪器内部。只有本厂服务工程师才可以检查内部线路或更换部件。仪器内部有高压、高温部件。非常危险。

严禁改动仪器

为防止事故或仪器失效，严禁改动仪器。

1.概述

WSK2039型智能温湿度控制器具有测量误差小、控制精度高、显示清晰明了、大方得体等优点，可广泛应用于各种需要高精度控温及控湿的场合，含一路温度传感器、一路湿度传感器，温度控制上下限可调节。



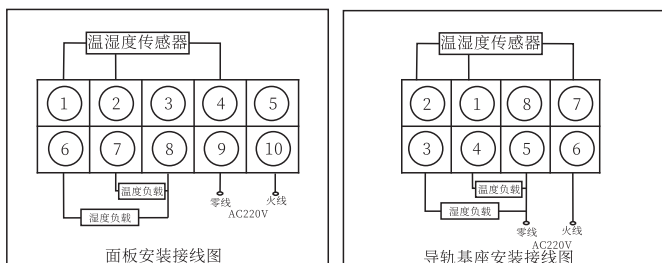
2.技术参数

- 1、温度范围：-9~99℃
- 2、温度回差：0~20℃
- 3、凝露启控：85%RH±5%RH，20℃时
- 4、温度修正值：-9~9℃
- 5、控温模式：升降温型（用户可自行设定）
- 6、控制输出：有源，一倍工作电压，阻性负载，AC250V 3Ax2
- 7、工作电压：AC220V±10%（50/60Hz）
- 8、体积：48x48x78mm（主机）
- 9、功耗：≤5VA

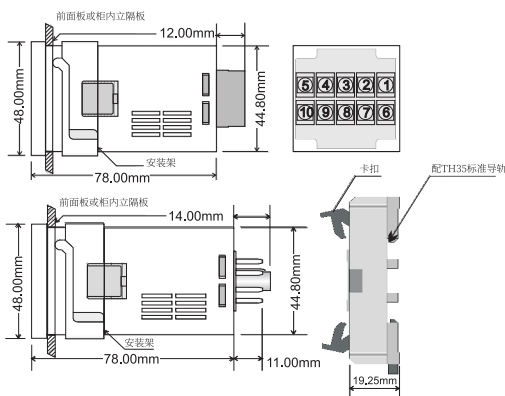
3.安装方式及接线图

嵌入式：在面板式开孔45.5^{+0.5}x45.5^{+0.5}mm孔，通过安装支架将监控器固定在设备的面板上。

导轨式：将尾部8针插头插入继电器座内，并将该座固定在35mm导轨上或通过安装螺钉固定在安装板上。



4.壳体尺寸



5.操作说明

- 1、按面板上的“SET”键不放手，保持3秒以上后即可进入设置模式。
- 2、用户可以按下“^”或“v”键增加或减少设定值，当调节至用户所需值后按下“SET”键进入下一参数的设置。
- 3、按“SET”键不松手，保持1.5秒以上后即可退出设置模式并自动储存数据。

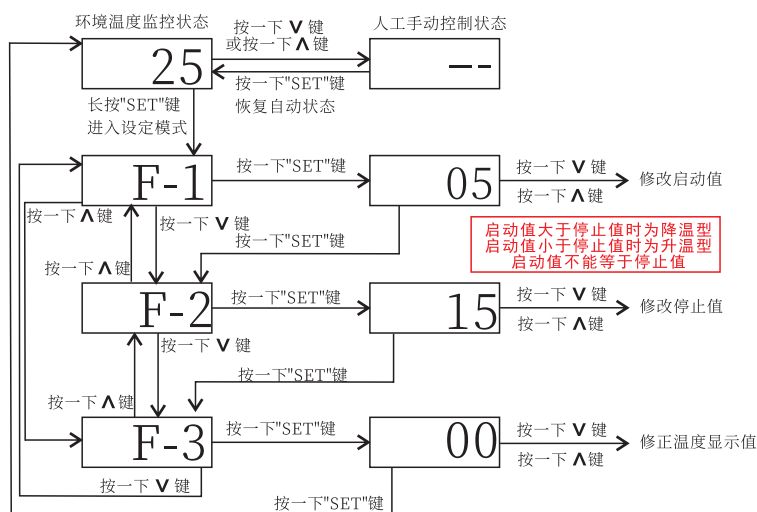
6.功能说明

1) 按照所附接线图正确接线（注意区分有源电压输出和无源触点输出）；

2) 设置控制目标值，设置如下：

按下“SET”按钮3秒钟，直到进入设置模式调整后，用户可以按“^”或“v”键增加或减少设置所需的数值，按“SET”键进入下一个参数设置。按“SET”按钮至少1.5秒退出参数设置模式并自动存储数据。

参数流程图如下图所示：



3) 温度监测

升温型：测量温度值≤（设定点）时启动加热，温度≥（设定点+回差）时停止加热，

降温型：测量温度值≥（设定点）时启动排风，当温度≤（设定点-回差）时面板上控温指示灯点亮，同时内部继电器闭合，负载端得到电源。

4) 湿度监测

A.湿度测量值无显示；

B.此款控制器的凝露监控为固定除湿型。凝露启控点：85%RH±5%RH（或用户指定），当环境湿度增加到接近此值时，开始自动加载进行除湿。

7.故障说明

当显示窗口显示“uuu”时请检查传感器连接是否正常。

上海爱浦克施电力科技股份有限公司

地址：上海市松江区九亭镇研展路455号B座

邮编：201615

总机：021-51693866

传真：021-51872552

http://www.ipkis.com.cn ipkis@ipkis.com.cn