

用途 Application

KS-3X (TH) 系列温湿度控制器广泛应用于电力电子行业，以及需要对温度和凝露进行综合控制的场合。主要用于电力系统中的开关柜、中置柜、箱式变电站等设备。该系列产品性能稳定，使用寿命长并具有三防功能，能够保障电气设备长期安全可靠的运行。

KS-3X (TH) Condensing controller is extensive to used for electric & electronic profession, and the place that need synthesize control with temperature and humidity. It is mainly applied on: box-type substation, switchgear and etc. The product enjoys long service life, compact volume, light weight and convenient installation. It also has the function of three-kinds-proofing. Using it can obviously prolong the service life and improve safety operation of switchgear.

概述 General

KS-3X (TH) 温湿度控制器最多可接两路温度传感器和两路凝露传感器，能够检测多个小环境的温度变化和湿度变化。该控制器温控范围为5℃~15℃（也可根据用户要求设定），凝露启控点为93%RH或80%RH。

当 I 路温度低于5℃或湿度大于启控点时，控制器启动 I 路加热器工作，当温度升高到15℃且湿度下降到设定值时，I 路加热器停止工作。在加热器工作状态，当加热器断线或线路出现故障时，I 路故障指示灯亮，同时故障报警触点闭合。

II 路温度同 I 路温度。按手动开关可进行强制加热。

The KS-3X(TH) controller for temperature and humidity is fitted with 2 temperature sensors and 2 condensing sensors. It can monitor the change of temperature and the humidity of the tested several small environment. The controller's range of temperature is 5℃~15℃ and start to control condensing is 93% or 80%.

When the temperature 1 is lower 5℃ and humidity more than the point of starting control, the controller can drive the heater1 to start. When the temperature is raising to 15℃ or humidity lower to setting value, the heater1 stop working. When the heater is cut off, indicating lamp1 is on. At same time, alart contact is shut.

The tempetature2 is same principle. Pressing to move switching can proceed compulsive heating.

型号说明 Types

KS-3X-T(TH)

- 三防功能
3 Proofing function
- 3: 两路温度传感器、两路凝露传感器
3: 2 Temp.sensors 2condensing sensors
- 一副断线报警触点 a pair of break line contacts
- 3T: 两路温度传感器、一副断线报警触点
3T: 2Temp. sensors a pair of break line contacts
- 3H: 两路凝露传感器、一副断线报警触点
3H: 2 Condensing sensors
- 温湿度控制器 Temp. and humidity controller

技术指标 Specifications

型号 Type		KS-3 (TH)	KS-3T(TH)	KS-3H(TH)
电源 Power supply		AC220V ±10% (50Hz)		
测量 Meteraging	温度范围 Range of temp.	0℃~100℃	0℃~100℃	————
	湿度范围 Range of humidity	10%RH~98%RH	————	10%RH~95%RH
温控精度 Accuracy of temp.controlling		±1℃	±1℃	————
凝露启控 Start to control condensing		80%RH	————	80%RH
设定范围 Range of temp.enactment		50℃~65℃	5℃~15℃	————
使用环境 Service environment	温度 Temperature	-20℃~70℃		
	湿度 Humidity	≤95%RH		
加热触点功率 Heating power of contacts		AC220V 5A (双路)		
报警触点功率 Alarm power of contacts		AC220V 3A		
抗震性能 Performance of anti-vibration		10-15-10Hz 2g 3min		
抗干扰 Anti-interference		4.4KV/M		
外形尺寸 (mm) Outline dimension		140×60×120		
开孔尺寸 (mm) Dimension of hole		55 ^{+0.5} ×115 ^{+0.5}		
耐压 Withstand voltage		2KV 50Hz 1min		

注：不同的型号接线方式可能不同，以供货时接线图为准。

编号: YZ/J10-16-S-0301
2002 年 10 月

安装使用 Installation user

1、外形尺寸 Outline dimension

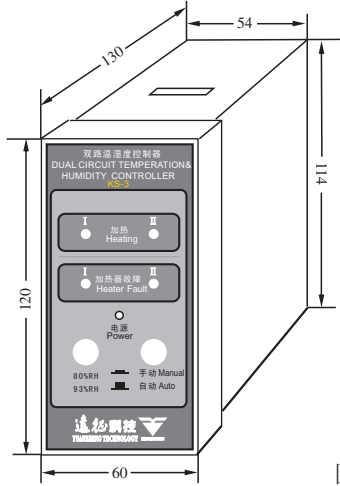


图 1 Chart 1

2、安装方式 Installation methods

面板嵌入式安装 开孔尺寸 115×56mm²
Inserted panel mounting, the dimension is 115×56mm²

3、接线图 Connection chart

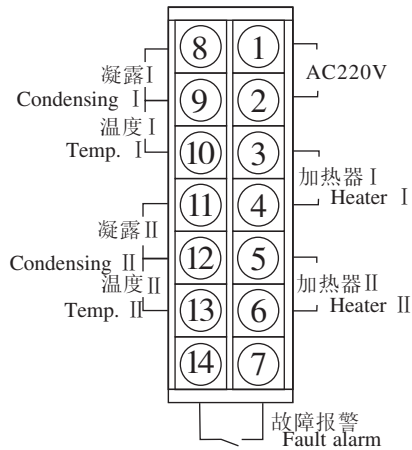


图 2 Chart 2

传感器的安装 Sensor installation

4、传感器安装 Sensor installation

凝露传感器和温度传感器外形如（图3）所示
Condensing sensor or temperature sensor
outline if chart 3.

安装方式 Installation methods

- 1、35mm导轨安装
Guiding rail mounting: 35mm rail
- 2、固定式安装 fixing mounting

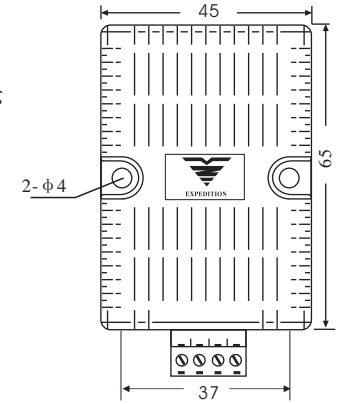


图 3 Chart 3

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