ZCS

智能除湿装置系列

Intelligent dehumidifier series

因源革新 · 智电未来

Due to source innovation, the future of smart power

高低压开关柜电气及配件

High and low voltage switchgear electrical and accessories

ZCS09S-20(标准) / 20A(高端) / 20B(增强)智能除湿装置(塑壳型) / Intelligent dehumidification device

20(standard)

20A(plus)

20B(ultra)

排水管/drain pipe

产品简介/Product summary

ZCS09S-20/20A/20B 智能除湿装置是采用半导体制冷除湿方式， 主动将密闭空间的潮湿空气在风扇的作用下吸入除湿风道， 空气中的水汽经过半导体制冷机构后冷凝成水， 再通过导水管排出柜体， 可以达到很好的除湿效果。 通过减低空气中含水量， 使相对湿度和绝对湿度同时下降， 几乎不提高温度， 不产生温差带来的负面影响， 从根本上杜绝或减少了事故的发生， 也不会因高温而加速柜内器件及柜体的老化。智能型除湿装置把被动防止凝露方式,改为主动引导凝露，有效的防止柜内设备老化、绝缘强度降低、二次端子击穿、 材料霉变及钢结构件锈蚀等安全隐患，保证电网安全运行。

The ZCS09S - 20/20A/20B intelligent dehumidification device adopts the semiconductor refrigeration dehumidification method. It actively sucks the humid air in the closed space into the dehumidification air duct under the action of a fan. The water vapor in the air condenses into water after passing through the semiconductor refrigeration mechanism, and then is discharged from the cabinet through a water guide pipe, achieving a good dehumidification effect. By reducing the water content in the air, both the relative humidity and the absolute humidity decrease simultaneously. It hardly increases the temperature and does not produce the negative effects brought by the temperature difference, fundamentally preventing or reducing the occurrence of accidents. Also, it does not accelerate the aging of the components and the cabinet in the cabinet due to high temperature. The intelligent dehumidification device changes the passive way of preventing condensation to the active way of guiding condensation, effectively preventing potential safety hazards such as the aging of the equipment in the cabinet, the reduction of insulation strength, the breakdown of secondary terminals, the mildew of materials, and the rust of steel structural parts, ensuring the safe operation of the power grid.

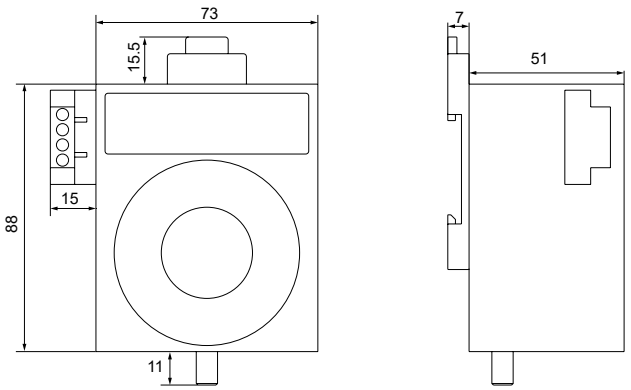
技术指标/technology parameter

◎ 输入规格：1 路温湿度输入模块
◎ 测量范围：温度：0℃～ 100℃;
湿度：0%RH ～ 99%RH
◎ 基本误差
温度：±0.5℃ (10℃～ 50℃)
湿度：±3%RH(10%RH ～ 90%RH)
◎ 分辨力：温度 0.1℃， 湿度 0.1%RH
◎ 控制方式：位式控制
◎ 输出规格：250VAC/3A 或 30VDC/3A
◎ 工作电源：220VAC,50/60Hz, 功率 40W/60W。
◎ 工作环境：温度 0 ～ 50℃， 无腐蚀性场合。

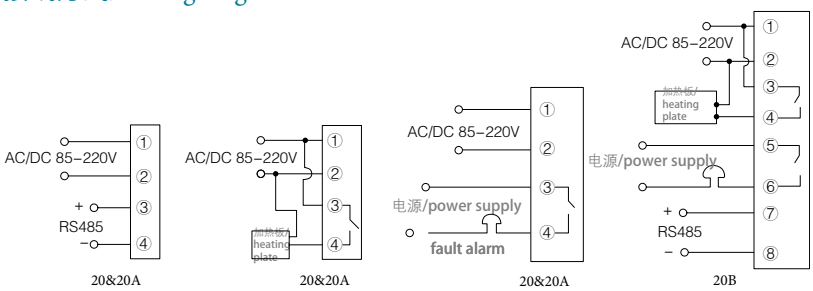
◎ Input Specification: 1-channel temperature and humidity input module
◎ Measurement Range: Temperature: 0℃ to 100℃;
Humidity: 0%RH to 99%RH
◎ Basic Error
Temperature: ±0.5℃ (10℃ to 50℃)
Humidity: ±3%RH (10%RH to 90%RH)
◎ Resolution: Temperature 0.1℃, Humidity 0.1%RH
◎ Control Method: On-off control
◎ Output Specification: 250VAC/3A or 30VDC/3A
◎ Operating Power Supply: 220VAC, 50/60Hz, Power 40W/60W.
◎ Operating Environment: Temperature 0 to 50℃, non-corrosive environment.

安装尺寸/installation size

外形尺寸 (高 88* 宽 73* 厚 51)/dimensions（L88*W73*H51）



接线方式/Wiring diagram



ZCS14S-40/60智能除湿装置(塑壳型) / Intelligent dehumidification device (economical)

40/60(standard)

排水管/drain pipe

产品简介/Product summary

ZCS-14S-40/60 智能除湿装置（经济型）是采用半导体制冷除湿方式， 主动将密闭空间的潮湿空气在风扇的作用下吸入除湿风道， 空气中的水汽经过半导体制冷机构后冷凝成水， 再通过导水管排出柜体， 可以达到很好的除湿效果。 通过减低空气中含水量， 使相对湿度和绝对湿度同时下降， 几乎不提高温度，不产生温差带来的负面影响， 从根本上杜绝或减少了事故的发生， 也不会因高温而加速柜内器件及柜体的老化。 智能型除湿装置把被动防止凝露方式，改为主动引导凝露，有效的防止柜内设备老化、 绝缘强度降低、二次端子击穿、材料霉变及钢结构件锈蚀等安全隐患，保证电网安全运行。

The ZCS-14S-40/60 intelligent dehumidification device (economical type) adopts the semiconductor refrigeration dehumidification method. It actively sucks the humid air in the enclosed space into the dehumidification air duct under the action of a fan. The water vapor in the air condenses into water after passing through the semiconductor refrigeration mechanism, and then is discharged from the cabinet through the water guide pipe, achieving a good dehumidification effect. By reducing the water content in the air, both the relative humidity and the absolute humidity decrease simultaneously, with almost no increase in temperature, and no negative impacts caused by temperature differences. This fundamentally prevents or reduces the occurrence of accidents, and also does not accelerate the aging of components and the cabinet in the cabinet due to high temperatures. The intelligent dehumidification device changes the passive condensation prevention method to the active condensation guidance method, effectively preventing potential safety hazards such as aging of equipment in the cabinet, reduction of insulation strength, breakdown of secondary terminals, material mildew, and corrosion of steel structural parts, ensuring the safe operation of the power grid.

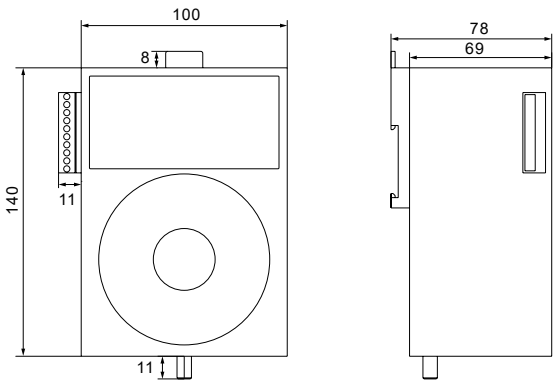
技术指标/technology parameter

◎ 输入规格：1 路温湿度输入模块
◎ 测量范围：温度：0℃～ 100℃；湿度：0%RH ～ 99%RH
◎ 基本误差
温度：±0.5℃ (10℃～ 50℃)
湿度：±3%RH(10%RH ～ 90%RH)
◎ 分辨力：温度 0.1℃，湿度 0.1%RH
◎ 控制方式：位式控制
◎ 输出规格：250VAC/3A 或 30VDC/3A
◎ 工作电源：220VAC,50/60Hz, 功率 40W/60W。
◎ 工作环境：温度 0 ～ 50℃，无腐蚀性场合。

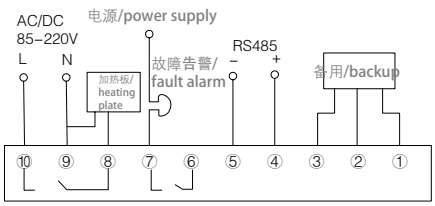
◎ Input specification: 1-channel temperature and humidity input module
◎ Measuring range: Temperature: 0℃ - 100℃; Humidity: 0%RH - 99%RH
◎ Basic error
Temperature: ±0.5℃ (10℃ - 50℃)
Humidity: ±3%RH (10%RH - 90%RH)
◎ Resolution: Temperature 0.1℃, Humidity 0.1%RH
◎ Control method: On-off control
◎ Output specification: 250VAC/3A or 30VDC/3A
◎ Operating power supply: 220VAC, 50/60Hz, power 40W/60W.
◎ Operating environment: Temperature 0 - 50℃, non-corrosive environment.

安装尺寸/installation size

外形尺寸 (高 140* 宽 100* 厚 78)dimensions（L140*W100*H78）



接线方式/Wiring diagram



ZCS17S-60智能除湿装置(塑壳型) / Intelligent dehumidification device (standard type)

60(standard)

传感器/sensor

排水管/drain pipe

产品简介/Product summary

ZCS-17S-60 智能除湿装置（标准型）是采用半导体制冷除湿方式， 主动将密闭空间的潮湿空气在风扇的作用下吸入除湿风道， 空气中的水汽经过半导体制冷机构后冷凝成水， 再通过导水管排出柜体， 可以达到很好的除湿效果。 通过减低空气中含水量， 使相对湿度和绝对湿度同时下降， 几乎不提高温度，不产生温差带来的负面影响， 从根本上杜绝或减少了事故的发生， 也不会因高温而加速柜内器件及柜体的老化。 智能型除湿装置把被动防止凝露方式，改为主动引导凝露，有效的防止柜内设备老化、 绝缘强度降低、 二次端子击穿、 材料霉变及钢结构件锈蚀等安全隐患，保证电网安全运行。

The ZCS-17S-60 intelligent dehumidification device (standard type) adopts the semiconductor refrigeration dehumidification method. It actively sucks the humid air in the enclosed space into the dehumidification air duct under the action of a fan. The water vapor in the air condenses into water after passing through the semiconductor refrigeration mechanism, and then is discharged from the cabinet through a water guide pipe, achieving a good dehumidification effect. By reducing the water content in the air, both the relative humidity and the absolute humidity decrease. It hardly increases the temperature and does not produce the negative effects caused by temperature differences, fundamentally preventing or reducing the occurrence of accidents. It also does not accelerate the aging of the components and the cabinet in the cabinet due to high temperature. The intelligent dehumidification device changes the passive condensation prevention method to the active condensation guiding method, effectively preventing potential safety hazards such as the aging of equipment in the cabinet, the reduction of insulation strength, the breakdown of secondary terminals, the mildew of materials, and the corrosion of steel structural parts, ensuring the safe operation of the power grid.

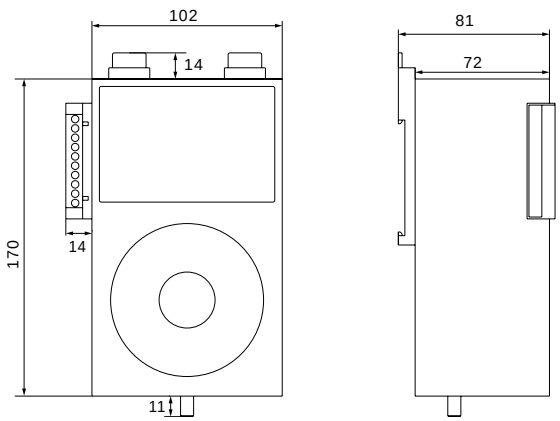
技术指标/technology parameter

◎ 输入规格：1 路温湿度输入模块
◎ 测量范围：温度：0℃～ 100℃；湿度：0%RH ～ 99%RH
◎ 基本误差
温度：±0.5℃ (10℃～ 50℃)
湿度：±3%RH(10%RH ～ 90%RH)
◎ 分辨力：温度 0.1℃，湿度 0.1%RH
◎ 控制方式：位式控制
◎ 输出规格：250VAC/3A 或 30VDC/3A
◎ 工作电源：220VAC,50/60Hz, 功率 60W。
◎ 工作环境：温度 0 ～ 50℃， 无腐蚀性场合。

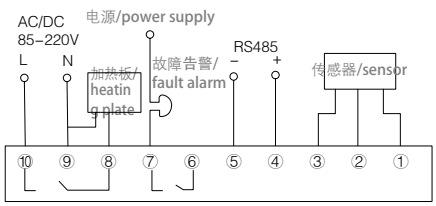
◎ Input Specification: 1-channel temperature and humidity input module
◎ Measurement Range: Temperature: 0℃ - 100℃; Humidity: 0%RH - 99%RH
◎ Basic Error
Temperature: ±0.5℃ (10℃ - 50℃)
Humidity: ±3%RH (10%RH - 90%RH)
◎ Resolution: Temperature 0.1℃, Humidity 0.1% RH
◎ Control Method: On-off control
◎ Output Specification: 250VAC/3A or 30VDC/3A
◎ Operating Power Supply: 220VAC, 50/60Hz, Power 60W.
◎ Operating Environment: Temperature 0 - 50℃, non-corrosive environment.

安装尺寸/installation size

外形尺寸 (高 170* 宽 100* 厚 81))/dimensions（L170*W100*H81）



接线方式/Wiring diagram



ZCS21M1(钣金喷塑) / M2(钣金不锈)智能除湿装置 / Intelligent dehumidification device

ZCS21M2 60W(standard)

传感器/sensor

排水管/drain pipe

产品简介/Product summary

ZCS21M1(钣金喷塑)/M2(钣金不锈)智能除湿装置是采用半导体制冷除湿方式，主动将密闭空间的潮湿空气在风扇的作用下吸入除湿风道，空气中的水汽经过半导体制冷机构后冷凝成水，再通过导水管排出柜体，可以达到很好的除湿效果。通过减低空气中含水量，使相对湿度和绝对湿度同时下降，几乎不提高温度，不产生温差带来的负面影响，从根本上杜绝或减少了事故的发生，也不会因高温而加速柜内器件及柜体的老化。智能型除湿装置把被动防止凝露方式，改为主动引导凝露，有效的防止柜内设备老化、绝缘强度降低、二次端子击穿、材料霉变及钢结构件锈蚀等安全隐患，保证电网安全运行。

The ZCS21M1 (sheet metal spray - painted) / M2 (stainless sheet metal) intelligent dehumidification device adopts the semiconductor refrigeration dehumidification method. It actively sucks the humid air in the enclosed space into the dehumidification air duct under the action of a fan. The water vapor in the air condenses into water after passing through the semiconductor refrigeration mechanism, and then is discharged from the cabinet through a water guide pipe, achieving a good dehumidification effect. By reducing the water content in the air, both the relative humidity and the absolute humidity decrease simultaneously. It hardly increases the temperature and does not produce the negative effects caused by the temperature difference, fundamentally preventing or reducing the occurrence of accidents. Also, it does not accelerate the aging of the devices and the cabinet in the cabinet due to high temperature. The intelligent dehumidification device changes the passive dew - prevention method to the active dew - guiding method, effectively preventing potential safety hazards such as the aging of equipment in the cabinet, the reduction of insulation strength, the breakdown of secondary terminals, the mildew of materials, and the corrosion of steel structures, ensuring the safe operation of the power grid.

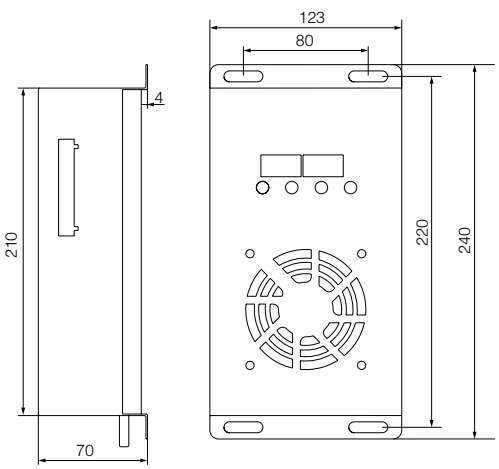
技术指标/technology parameter

◎ 输入规格：1 路温湿度输入模块
◎ 测量范围：温度：0℃～ 100℃；湿度：0%RH ～ 99%RH
◎ 基本误差
温度：±0.5℃ (10℃～ 50℃)，±1℃ (0℃～ 100℃)
湿度：±3%RH(10%RH ～ 90%RH)，±5% RH(0%RH ～ 99%RH)
◎ 分辨力：温度 0.1℃，湿度 0.1%RH
◎ 控制方式：位式控制
◎ 输出规格：250VAC/3A 或 30VDC/3A
◎ 工作电源：220VAC,50/60Hz, 功耗< 80VA。
◎ 工作环境：温度 0 ～ 50℃，湿度 ≤85% RH 的无腐蚀性场合。
◎ 除湿量：温度小于 35 度，湿度大于 80%RH 时测量值。
70W 500ML/ 天，60W 450ML/ 天
45W 350ML/ 天，30W 220ML/ 天

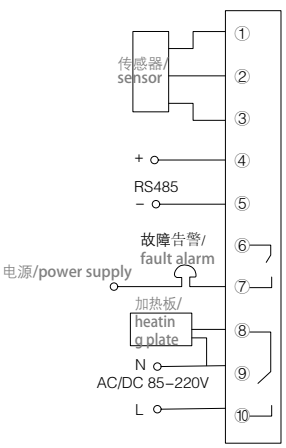
◎ Input specifications: 1-channel temperature and humidity input module
◎ Measurement range: Temperature: 0℃ to 100℃; Humidity: 0%RH to 99%RH
◎ Basic error
Temperature: ±0.5℃ (10℃ to 50℃), ±1℃ (0℃ to 100℃)
Humidity: ±3%RH (10%RH to 90%RH), ±5%RH (0% RH to 99%RH)
◎ Resolution: Temperature 0.1℃, Humidity 0.1%RH
◎ Control method: On-off control
◎ Output specifications: 250VAC/3A or 30VDC/3A
◎ Operating power supply: 220VAC, 50/60Hz, power consumption < 80VA.
◎ Operating environment: Temperature 0 to 50℃, humidity ≤85%RH in non-corrosive environments.
◎ Dehumidification capacity: Measured value when the temperature is less than 35 degrees and the humidity is greater than 80%RH.
70W 500ML/ day， 60W 450ML/ day
45W 350ML/ day， 30W 220ML/ day

安装尺寸/installation size

外形尺寸 (高 240* 宽 123* 厚 70)dimensions（L240*W123*H70）



接线方式/Wiring diagram



ZCS21M1(钣金喷塑) / M2(钣金不锈)智能除湿装置 / Intelligent dehumidification device

ZCS21M1/M2 20W(standard)

传感器/sensor

排水管/drain pipe

产品简介/Product summary

ZCS21M1(钣金喷塑) / M2(钣金不锈) 智能除湿装置是采用半导体制冷除湿方式， 主动将密闭空间的潮湿空气在风扇的作用下吸入除湿风道， 空气中的水汽经过半导体制冷机构后冷凝成水， 再通过导水管排出柜体， 可以达到很好的除湿效果。 通过减低空气中含水量， 使相对湿度和绝对湿度同时下降， 几乎不提高温度， 不产生温差带来的负面影响， 从根本上杜绝或减少了事故的发生， 也不会因高温而加速柜内器件及柜体的老化。 智能型除湿装置把被动防止凝露方式，改为主动引导凝露， 有效的防止柜内设备老化、 绝缘强度降低、 二次端子击穿、 材料霉变及钢结构件锈蚀等安全隐患，保证电网安全运行。

The ZCS21M1 (spray - painted sheet metal) / M2 (stainless sheet metal) intelligent dehumidification device adopts the semiconductor refrigeration dehumidification method. It actively sucks the humid air in the closed space into the dehumidification air duct under the action of a fan. The water vapor in the air condenses into water after passing through the semiconductor refrigeration mechanism, and then is discharged from the cabinet through a water guide pipe, achieving a good dehumidification effect. By reducing the water content in the air, both the relative humidity and the absolute humidity decrease simultaneously. It hardly increases the temperature and does not produce the negative impacts caused by the temperature difference, fundamentally preventing or reducing the occurrence of accidents. It also does not accelerate the aging of the components and the cabinet in the cabinet due to high temperature. The intelligent dehumidification device changes the passive way of preventing condensation into the active way of guiding condensation, effectively preventing potential safety hazards such as the aging of the equipment in the cabinet, the reduction of insulation strength, the breakdown of secondary terminals, the mildew of materials, and the corrosion of steel structural parts, ensuring the safe operation of the power grid.

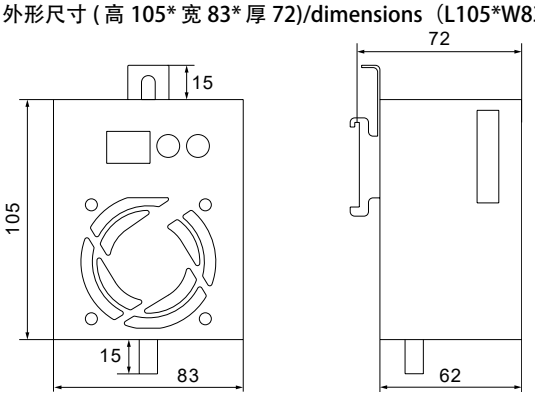
技术指标/technology parameter

◎ 输入规格：1 路温湿度输入模块
◎ 测量范围：温度：0°C～ 100°C；湿度：0%RH ～ 99%RH
◎ 基本误差
温度：±0.5°C (10°C～ 50°C)，±1°C (0°C～ 100°C)
湿度：±3%RH(10%RH ～ 90%RH)，±5% RH(0%RH ～ 99%RH)
◎ 分辨力：温度 0.1°C，湿度 0.1%RH
◎ 控制方式：位式控制
◎ 输出规格：250VAC/3A 或 30VDC/3A
◎ 工作电源：220VAC,50/60Hz, 功耗< 80VA。
◎ 工作环境：温度 0 ～ 50°C，湿度 ≤85% RH 的无腐蚀性场合。
◎ 除湿量： 温度小于 35 度 , 湿度大于 80%RH 时测量值。
70W 500ML/ 天， 60W 450ML/ 天
45W 350ML/ 天， 30W 220ML/ 天

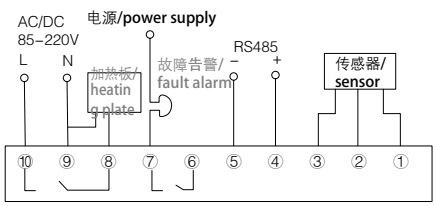
◎ Input Specification: 1-channel temperature and humidity input module
◎ Measuring Range: Temperature: 0℃～100℃; Humidity: 0%RH～99%RH
◎ Basic Error
Temperature: ±0.5℃ (10℃～50℃), ±1℃ (0℃～100℃)
Humidity: ±3%RH (10%RH～90%RH), ±5%RH (0%RH～99%RH)
◎ Resolution: Temperature 0.1℃, Humidity 0.1%RH
◎ Control Mode: On-off control
◎ Output Specification: 250VAC/3A or 30VDC/3A
◎ Operating Power Supply: 220VAC, 50/60Hz, Power Consumption < 80VA.
◎ Operating Environment: Temperature 0～50℃, Humidity ≤85%RH in non-corrosive environment.
◎ Dehumidification Capacity: Measured value when temperature is less than 35℃ and humidity is greater than 80%RH.
70W 500ML/day, 60W 450ML/day
45W 350ML/day, 30W 220ML/day

安装尺寸/installation size

外形尺寸 (高 105* 宽 83* 厚 72)/dimensions（L105*W83*H72）



接线方式/Wiring diagram



ZCS21M1(钣金喷塑) / M2(钣金不锈)智能除湿装置 / Intelligent dehumidification device

ZCS21M1/M2 30W(standard)

传感器/sensor

排水管/drain pipe

产品简介产品简介/Product summary

ZCS21M1(钣金喷塑) / M2(钣金不锈) 智能除湿装置是采用半导体制冷除湿方式， 主动将密闭空间的潮湿空气在风扇的作用下吸入除湿风道， 空气中的水汽经过半导体制冷机构后冷凝成水， 再通过导水管排出柜体， 可以达到很好的除湿效果。 通过减低空气中含水量， 使相对湿度和绝对湿度同时下降， 几乎不提高温度， 不产生温差带来的负面影响， 从根本上杜绝或减少了事故的发生， 也不会因高温而加速柜内器件及柜体的老化。 智能型除湿装置把被动防止凝露方式 ，改为主动引导凝露，有效的防止柜内设备老化、 绝缘强度降低、 二次端子击穿、 材料霉变及钢结构件锈蚀等安全隐患，保证电网安全运行。

The ZCS21M1 (Plastic-sprayed Sheet Metal) / M2 (Stainless Sheet Metal) intelligent dehumidification device adopts the semiconductor refrigeration dehumidification method. It actively sucks the humid air in the closed space into the dehumidification air duct under the action of a fan. The water vapor in the air condenses into water after passing through the semiconductor refrigeration mechanism, and then is discharged from the cabinet through the water guide pipe, achieving a good dehumidification effect. By reducing the water content in the air, both the relative humidity and the absolute humidity decrease simultaneously, with almost no increase in temperature, and no negative impact caused by temperature differences. This fundamentally eliminates or reduces the occurrence of accidents, and also does not accelerate the aging of the components and the cabinet in the cabinet due to high temperature. The intelligent dehumidification device changes the passive way of preventing condensation into the active way of guiding condensation, effectively preventing potential safety hazards such as the aging of equipment in the cabinet, the reduction of insulation strength, the breakdown of secondary terminals, the mildew of materials, and the corrosion of steel structures, ensuring the safe operation of the power grid.

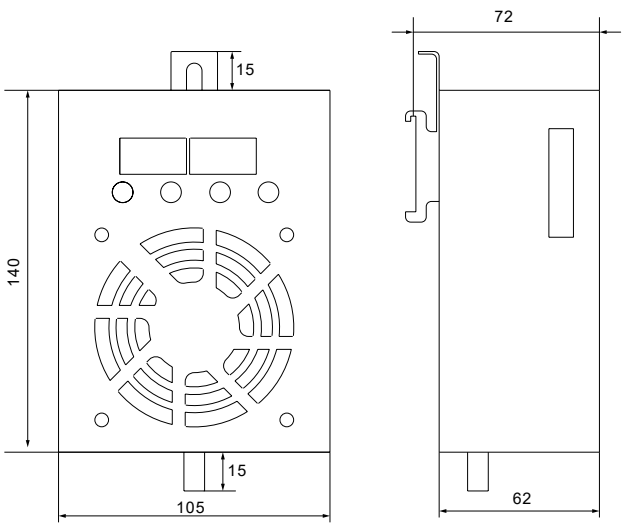
技术指标技术指标/technology parameter

◎ 输入规格：1 路温湿度输入模块
◎ 测量范围：温度：0℃～ 100℃；湿度：0%RH ～ 99%RH
◎ 基本误差
温度：±0.5℃ (10℃～ 50℃)，±1℃ (0℃～ 100℃)
湿度：±3%RH(10%RH ～ 90%RH)，±5% RH(0%RH ～ 99%RH)
◎ 分辨力：温度 0.1℃，湿度 0.1%RH
◎ 控制方式：位式控制
◎ 输出规格：250VAC/3A 或 30VDC/3A
◎ 工作电源：220VAC,50/60Hz, 功耗＜ 80VA。
◎ 工作环境：温度 0 ～ 50℃，湿度 ≤85% RH 的无腐蚀性场合。
◎ 除湿量： 温度小于 35 度 , 湿度大于 80%RH 时测量值。
70W 500ML/ 天， 60W 450ML/ 天
45W 350ML/ 天， 30W 220ML/ 天

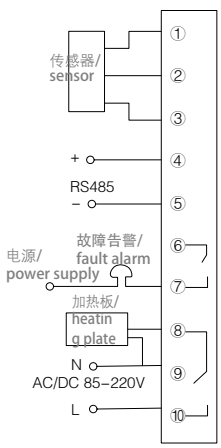
◎ Input specifications: 1-channel temperature and humidity input module
◎ Measurement range: Temperature: 0℃ - 100℃; Humidity: 0%RH - 99%RH
◎ Basic error
Temperature: ±0.5℃ (10℃ - 50℃), ±1℃ (0℃ - 100℃)
Humidity: ±3%RH (10%RH - 90%RH), ±5%RH (0% RH - 99%RH)
◎ Resolution: Temperature 0.1℃, Humidity 0.1%RH
◎ Control method: On-off control
◎ Output specifications: 250VAC/3A or 30VDC/3A
◎ Working power supply: 220VAC, 50/60Hz, power consumption < 80VA.
◎ Working environment: Temperature 0 - 50℃, humidity ≤85%RH in non-corrosive occasions.
◎ Dehumidification capacity: Measured value when the temperature is less than 35℃ and the humidity is greater than 80%RH.
70W 500ML/day, 60W 450ML/day
45W 350ML/day, 30W 220ML/day

安装尺寸/installation size

外形尺寸 (高 140* 宽 105* 厚 72)/dimensions（L140*W105*H72）



接线方式/ Wiring diagram



ZCS21M1(钣金喷塑) / M2(钣金不锈)智能除湿装置 / Intelligent dehumidification device

ZCS21M1 60W(standard)

传感器/sensor

排水管/drain pipe

产品简介/Product summary

ZCS21M1(钣金喷塑) / M2(钣金不锈) 智能除湿装置是采用半导体制冷除湿方式， 主动将密闭空间的潮湿空气在风扇的作用下吸入除湿风道， 空气中的水汽经过半导体制冷机构后冷凝成水， 再通过导水管排出柜体， 可以达到很好的除湿效果。 通过减低空气中含水量， 使相对湿度和绝对湿度同时下降， 几乎不提高温度， 不产生温差带来的负面影响， 从根本上杜绝或减少了事故的发生， 也不会因高温而加速柜内器件及柜体的老化。 智能型除湿装置把被动防止凝露方式 , 改为主动引导凝露， 有效的防止柜内设备老化、 绝缘强度降低、 二次端子击穿、 材料霉变及钢结构件锈蚀等安全隐患， 保证电网安全运行。

The ZCS21M1 (sheet metal spray - painted) / M2 (stainless sheet metal) intelligent dehumidification device adopts the semiconductor refrigeration dehumidification method. It actively sucks the humid air in the enclosed space into the dehumidification air duct under the action of a fan. The water vapor in the air condenses into water after passing through the semiconductor refrigeration mechanism, and then is discharged from the cabinet through a water guide pipe, achieving a good dehumidification effect. By reducing the water content in the air, both the relative humidity and the absolute humidity decrease simultaneously. It hardly increases the temperature and does not produce the negative impacts caused by the temperature difference, fundamentally preventing or reducing the occurrence of accidents. It also does not accelerate the aging of the devices and the cabinet in the cabinet due to high temperature. The intelligent dehumidification device changes the passive condensation prevention method to the active condensation - guiding method, effectively preventing potential safety hazards such as the aging of equipment in the cabinet, the reduction of insulation strength, the breakdown of secondary terminals, the mildew of materials, and the corrosion of steel structural parts, ensuring the safe operation of the power grid.

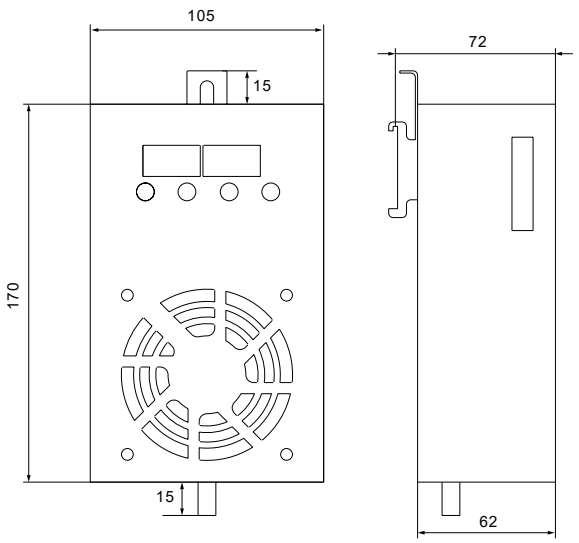
技术指标/technology parameter

◎ 输入规格：1 路温湿度输入模块
◎ 测量范围：温度：0℃～ 100℃；湿度：0% RH ～ 99%RH
◎ 基本误差
温度：±0.5℃ (10℃～ 50℃)，±1℃ (0℃ ～ 100℃)
湿度：±3%RH(10%RH ～ 90%RH)，±5% RH(0%RH ～ 99%RH)
◎ 分辨力：温度 0.1℃，湿度 0.1%RH
◎ 控制方式：位式控制
◎ 输出规格：250VAC/3A 或 30VDC/3A
◎ 工作电源：220VAC,50/60Hz, 功耗< 80VA。
◎ 工作环境：温度 0 ～ 50℃，湿度 ≤85% RH 的无腐蚀性场合。
◎ 除湿量： 温度小于 35 度 , 湿度大于 80%RH 时测量值。
70W 500ML/ 天， 60W 450ML/ 天
45W 350ML/ 天， 30W 220ML/ 天

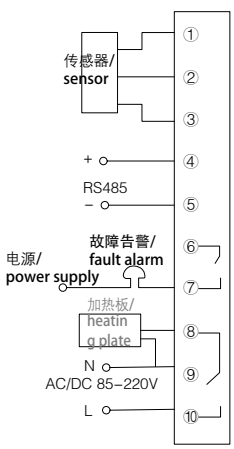
◎ Input Specification: 1-channel temperature and humidity input module
◎ Measurement Range: Temperature: 0℃ - 100℃; Humidity: 0%RH - 99%RH
◎ Basic Error
Temperature: ±0.5℃ (10℃ - 50℃), ±1℃ (0℃ - 100℃)
Humidity: ±3%RH (10%RH - 90%RH), ±5%RH (0%RH - 99%RH)
◎ Resolution: Temperature 0.1℃, Humidity 0.1%RH
◎ Control Method: On-off control
◎ Output Specification: 250VAC/3A or 30VDC/3A
◎ Working Power Supply: 220VAC, 50/60Hz, Power Consumption < 80VA.
◎ Working Environment: Temperature 0 - 50℃, Humidity ≤85%RH in non-corrosive occasions.
◎ Dehumidification Capacity: Measured value when the temperature is less than 35 degrees and the humidity is greater than 80%RH.
70W 500ML/day, 60W 450ML/day
45W 350ML/day, 30W 220ML/day

安装尺寸/installation size

外形尺寸 (高 170* 宽 105* 厚 72)/dimensions（L170*W105*H72）



接线方式/ Wiring diagram



ZGCS-880智能除湿装置（不锈钢型）/ Intelligent dehumidification device (stainless steel type)

ZGCS-880 60W(standard)

传感器/sensor

排水管/drain pipe

产品简介/Product summary

ZGCS-880 智能除湿装置（不锈钢型）是采用半导体制冷除湿方式， 主动将密闭空间的潮湿空气在风扇的作用下吸入除湿风道， 空气中的水汽经过半导体制冷机构后冷凝成水， 再通过导水管排出柜体， 可以达到很好的除湿效果。 通过减低空气中含水量， 使相对湿度和绝对湿度同时下降， 几乎不提高温度，不产生温差带来的负面影响， 从根本上杜绝或减少了事故的发生， 也不会因高温而加速柜内器件及柜体的老化。 智能型除湿装置把被动防止凝露方式，改为主动引导凝露， 有效的防止柜内设备老化、 绝缘强度降低、 二次端子击穿、 材料霉变及钢结构件锈蚀等安全隐患，保证电网安全运行。

The ZGCS-880 intelligent dehumidification device (stainless steel type) adopts the semiconductor refrigeration dehumidification method. It actively sucks the humid air in the enclosed space into the dehumidification air duct under the action of a fan. The water vapor in the air condenses into water after passing through the semiconductor refrigeration mechanism, and then is discharged from the cabinet through a water guide pipe, achieving a good dehumidification effect. By reducing the water content in the air, both the relative humidity and the absolute humidity decrease simultaneously. It hardly increases the temperature and does not produce the negative impacts caused by the temperature difference, fundamentally preventing or reducing the occurrence of accidents. Also, it does not accelerate the aging of the components and the cabinet in the cabinet due to high temperature. The intelligent dehumidification device changes the passive dew prevention method to the active dew guiding method, effectively preventing potential safety hazards such as the aging of equipment in the cabinet, the reduction of insulation strength, the breakdown of secondary terminals, the mildew of materials, and the corrosion of steel structural parts, ensuring the safe operation of the power grid.

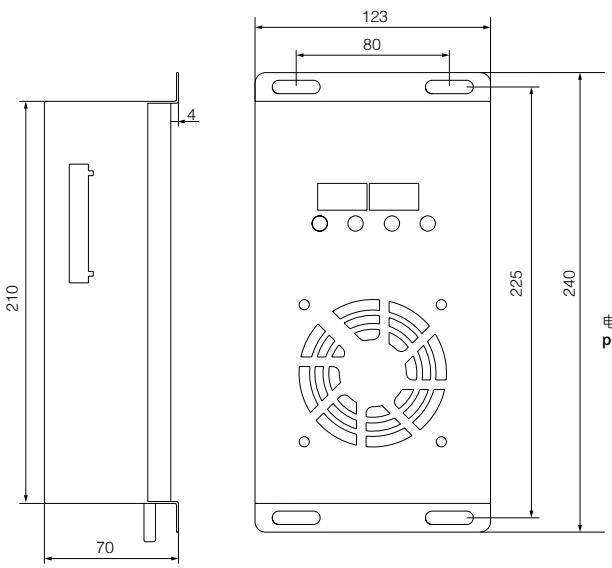
技术指标/technology parameter

◎ 输入规格：1 路湿度输入模块
◎ 测量范围：湿度：0%RH ～ 99%RH
◎ 基本误差
湿度：±3%RH(10%RH ～ 90%RH)，±5% RH(0%RH ～ 99%RH)
◎ 分辨力：温度 0.1℃，湿度 0.1%RH
◎ 工作电源：220VAC,50/60Hz, 功耗< 80VA。
◎ 工作环境：温度 0 ～ 50℃，湿度 ≤85% RH 的无腐蚀性场合。
◎ 除湿量： 温度小于 35 度 , 湿度大于 80%RH 时测量值。
70W 500ML/ 天， 60W 450ML/ 天
45W 350ML/ 天， 30W 220ML/ 天

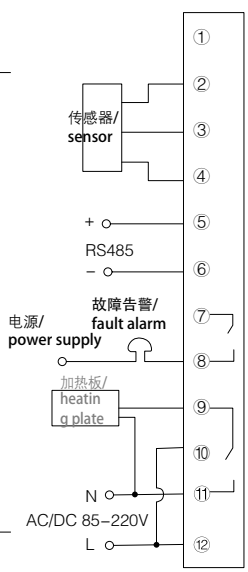
◎ Input specifications: 1-channel humidity input module
◎ Measurement range: Humidity: 0%RH - 99%RH
◎ Basic error
Humidity: ±3%RH (10%RH - 90%RH), ±5%RH (0% RH - 99%RH)
◎ Resolution: Temperature 0.1℃, Humidity 0.1%RH
◎ Operating power supply: 220VAC, 50/60Hz, power consumption < 80VA.
◎ Operating environment: Temperature 0 - 50℃, humidity ≤85%RH in non-corrosive environments.
◎ Dehumidification capacity: Measured value when the temperature is less than 35 degrees and the humidity is greater than 80%RH.
70W 500ML/day, 60W 450ML/day
45W 350ML/day, 30W 220ML/day

安装尺寸/installation size

外形尺寸 (高 240* 宽 123* 厚 70)/dimensions（L240*W123*H70）



接线方式/ Wiring diagram



ZGCS-870智能除湿装置（铝合金型）/ Intelligent dehumidification device (aluminum alloy type)

ZGCS-870 20W(standard)

传感器/sensor

排水管/drain pipe

产品简介/Product summary

ZGCS-870 智能除湿装置（铝合金型）是采用半导体制冷除湿方式， 主动将密闭空间的潮湿空气在风扇的作用下吸入除湿风道， 空气中的水汽经过半导体制冷机构后冷凝成水， 再通过导水管排出柜体， 可以达到很好的除湿效果。 通过减低空气中含水量， 使相对湿度和绝对湿度同时下降， 几乎不提高温度，不产生温差带来的负面影响， 从根本上杜绝或减少了事故的发生， 也不会因高温而加速柜内器件及柜体的老化。 智能型除湿装置把被动防止凝露方式，改为主动引导凝露， 有效的防止柜内设备老化、 绝缘强度降低、 二次端子击穿、 材料霉变及钢结构件锈蚀等安全隐患，保证电网安全运行。

The ZGCS-870 intelligent dehumidification device (aluminum alloy type) adopts the semiconductor refrigeration dehumidification method. It actively sucks the humid air in the closed space into the dehumidification air duct under the action of a fan. The water vapor in the air condenses into water after passing through the semiconductor refrigeration mechanism, and then is discharged from the cabinet through a water guide pipe, achieving a good dehumidification effect. By reducing the water content in the air, both the relative humidity and the absolute humidity decrease simultaneously. It hardly increases the temperature and does not produce the negative effects caused by the temperature difference, fundamentally eliminating or reducing the occurrence of accidents. It also does not accelerate the aging of the components and the cabinet in the cabinet due to high temperature. The intelligent dehumidification device changes the passive dew prevention method to the active dew guiding method, effectively preventing potential safety hazards such as the aging of the equipment in the cabinet, the reduction of insulation strength, the breakdown of secondary terminals, the mildew of materials, and the corrosion of steel structures, ensuring the safe operation of the power grid.

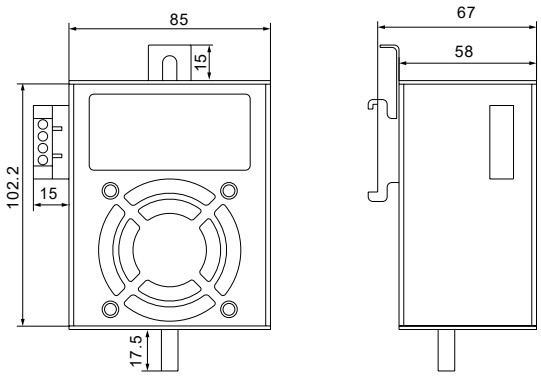
技术指标/technology parameter

◎ 输入规格：1 路温湿度输入模块
◎ 测量范围：温度：0℃～ 100℃；湿度：0%RH ～ 99%RH
◎ 基本误差
温度：±0.5℃ (10℃～ 50℃)， ±1℃ (0℃～ 100℃)
湿度：±3%RH(10%RH ～ 90%RH)， ±5% RH(0%RH ～ 99%RH)
◎ 分辨力：温度 0.1℃， 湿度 0.1%RH
◎ 控制方式：位式控制
◎ 输出规格：250VAC/3A 或 30VDC/3A
◎ 工作电源：220VAC,50/60Hz, 功耗＜ 80VA。
◎ 工作环境：温度 0 ～ 50℃， 湿度 ≤85% RH 的无腐蚀性场合。
◎ 除湿量： 温度小于 35 度 , 湿度大于 80%RH 时测量值。
45W 350ML/ 天， 30W 220ML/ 天

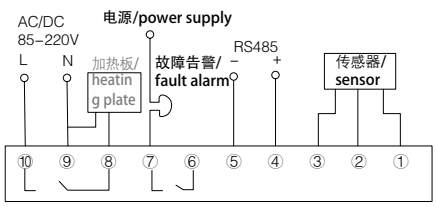
◎ Input Specification: 1-channel temperature and humidity input module
◎ Measurement Range: Temperature: 0℃ - 100℃; Humidity: 0%RH - 99%RH
◎ Basic Error
Temperature: ±0.5℃ (10℃ - 50℃), ±1℃ (0℃ - 100℃)
Humidity: ±3%RH (10%RH - 90%RH), ±5%RH (0%RH - 99%RH)
◎ Resolution: Temperature 0.1℃, Humidity 0.1% RH
◎ Control Method: On-off control
◎ Output Specification: 250VAC/3A or 30VDC/3A
◎ Operating Power Supply: 220VAC, 50/60Hz, Power Consumption < 80VA.
◎ Operating Environment: Temperature 0 - 50℃, Humidity ≤85%RH in non-corrosive occasions.
◎ Dehumidification Capacity: Measured value when the temperature is less than 35℃ and the humidity is greater than 80%RH.
45W 350ML/day, 30W 220ML/day

安装尺寸/installation size

外形尺寸 (高 102.2* 宽 85* 厚 58)/dimensions（L102.2*W85*H58）



接线方式/Wiring diagram



ZGCS-870智能除湿装置（铝合金型）/ Intelligent dehumidification device (aluminum alloy type)

ZGCS-870 30W(standard)

传感器/sensor

排水管/drain pipe

产品简介/Product summary

ZGCS-870 智能除湿装置（铝合金型）是采用半导体制冷除湿方式， 主动将密闭空间的潮湿空气在风扇的作用下吸入除湿风道， 空气中的水汽经过半导体制冷机构后冷凝成水， 再通过导水管排出柜体， 可以达到很好的除湿效果。 通过减低空气中含水量， 使相对湿度和绝对湿度同时下降， 几乎不提高温度，不产生温差带来的负面影响， 从根本上杜绝或减少了事故的发生， 也不会因高温而加速柜内器件及柜体的老化。 智能型除湿装置把被动防止凝露方式，改为主动引导凝露，有效的防止柜内设备老化、 绝缘强度降低、 二次端子击穿、 材料霉变及钢结构件锈蚀等安全隐患，保证电网安全运行。

The ZGCS-870 intelligent dehumidification device (aluminum alloy type) adopts the semiconductor refrigeration dehumidification method. It actively sucks the humid air in the closed space into the dehumidification air duct under the action of a fan. The water vapor in the air condenses into water after passing through the semiconductor refrigeration mechanism, and then is discharged from the cabinet through a water guide pipe, achieving a good dehumidification effect. By reducing the water content in the air, both the relative humidity and the absolute humidity decrease simultaneously. It hardly increases the temperature and does not produce the negative impacts brought by the temperature difference. This fundamentally eliminates or reduces the occurrence of accidents, and also does not accelerate the aging of the devices and the cabinet in the cabinet due to high temperature. The intelligent dehumidification device changes the passive condensation prevention method to the active condensation guidance method, effectively preventing potential safety hazards such as the aging of the equipment in the cabinet, the reduction of insulation strength, the breakdown of secondary terminals, the mildew of materials, and the corrosion of steel structural parts, ensuring the safe operation of the power grid.

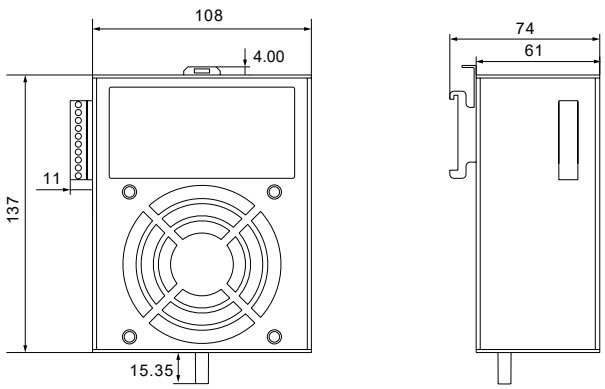
技术指标/technology parameter

◎ 输入规格：1 路温湿度输入模块
◎ 测量范围：温度：0℃～100℃；湿度：0%RH～99%RH
◎ 基本误差
温度：±0.5℃ (10℃～50℃)，±1℃ (0℃～100℃)
湿度：±3%RH(10%RH～90%RH)，±5% RH(0%RH～99%RH)
◎ 分辨力：温度 0.1℃，湿度 0.1%RH
◎ 控制方式：位式控制
◎ 输出规格：250VAC/3A 或 30VDC/3A
◎ 工作电源：220VAC,50/60Hz, 功耗＜ 80VA。
◎ 工作环境：温度 0～50℃，湿度 ≤85% RH 的无腐蚀性场合。
◎ 除湿量： 温度小于 35 度 , 湿度大于 80%RH 时测量值。
◎ 45W 350ML/ 天， 30W 220ML/ 天

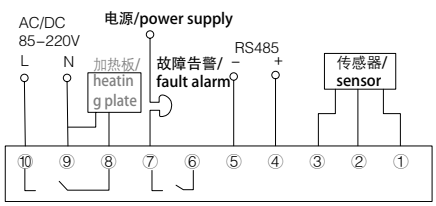
◎ Input specifications: 1-channel temperature and humidity input module
◎ Measurement range: Temperature: 0℃～100℃; Humidity: 0%RH～99%RH
◎ Basic error
Temperature: ±0.5℃ (10℃～50℃), ±1℃ (0℃～100℃)
Humidity: ±3%RH (10%RH～90%RH), ±5%RH (0%RH～99%RH)
◎ Resolution: Temperature 0.1℃, Humidity 0.1% RH
◎ Control method: On-off control
◎ Output specifications: 250VAC/3A or 30VDC/3A
◎ Operating power supply: 220VAC, 50/60Hz, power consumption < 80VA.
◎ Operating environment: Temperature 0～50℃, humidity ≤85%RH in non-corrosive places.
◎ Dehumidification capacity: Measured value when the temperature is less than 35℃ and the humidity is greater than 80%RH.
45W 350ML/day, 30W 220ML/day

安装尺寸/installation size

外形尺寸 (高 137* 宽 108* 厚 61)/dimensions（L137*W108*H61）



接线方式/Wiring diagram



ZGCS-870智能除湿装置（铝合金型） / Intelligent dehumidification device (aluminum alloy type)

ZGCS-870 60W(standard)

传感器/sensor

排水管/drain pipe

产品简介

ZGCS-870 智能除湿装置（铝合金型）是采用半导体制冷除湿方式， 主动将密闭空间的潮湿空气在风扇的作用下吸入除湿风道， 空气中的水汽经过半导体制冷机构后冷凝成水， 再通过导水管排出柜体， 可以达到很好的除湿效果。 通过减低空气中含水量， 使相对湿度和绝对湿度同时下降， 几乎不提高温度，不产生温差带来的负面影响， 从根本上杜绝或减少了事故的发生， 也不会因高温而加速柜内器件及柜体的老化。 智能型除湿装置把被动防止凝露方式，改为主动引导凝露，有效的防止柜内设备老化、 绝缘强度降低、 二次端子击穿、 材料霉变及钢结构件锈蚀等安全隐患，保证电网安全运行。

The ZGCS-870 intelligent dehumidification device (aluminum alloy type) adopts the semiconductor refrigeration dehumidification method. It actively sucks the humid air in the enclosed space into the dehumidification air duct under the action of a fan. The water vapor in the air condenses into water after passing through the semiconductor refrigeration mechanism, and then is discharged from the cabinet through the water guide pipe, achieving a good dehumidification effect. By reducing the water content in the air, both the relative humidity and the absolute humidity decrease simultaneously. It hardly increases the temperature and does not produce the negative impacts caused by temperature differences, fundamentally preventing or reducing the occurrence of accidents. It also does not accelerate the aging of the devices and the cabinet in the cabinet due to high temperatures. The intelligent dehumidification device changes the passive way of preventing condensation to the active way of guiding condensation, effectively preventing potential safety hazards such as the aging of the equipment in the cabinet, the reduction of insulation strength, the breakdown of secondary terminals, the mildew of materials, and the corrosion of steel structures, ensuring the safe operation of the power grid.

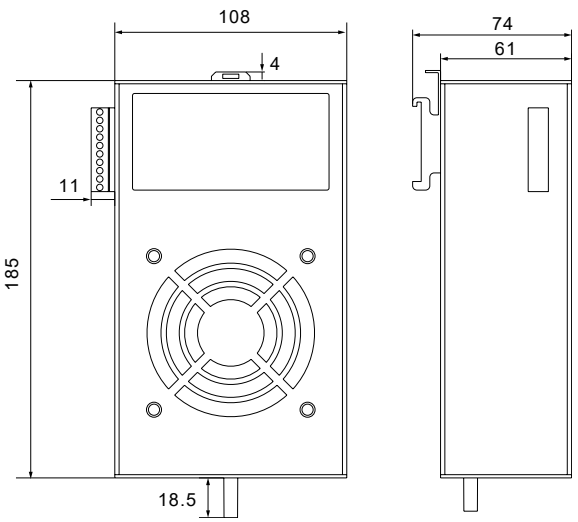
技术指标

◎ 输入规格：1 路温湿度输入模块
◎ 测量范围：温度：0℃～ 100℃；湿度：0% RH ～ 99%RH
◎ 基本误差
温度：±0.5℃ (10℃～ 50℃)，±1℃ (0℃～ 100℃)
湿度：±3%RH(10%RH ～ 90%RH)，±5% RH(0%RH ～ 99%RH)
◎ 分辨力：温度 0.1℃，湿度 0.1%RH
◎ 控制方式：位式控制
◎ 输出规格：250VAC/3A 或 30VDC/3A
◎ 工作电源：220VAC,50/60Hz, 功耗< 80VA。
◎ 工作环境：温度 0 ～ 50℃，湿度 ≤85% RH 的无腐蚀性场合。
◎ 除湿量： 温度小于 35 度 , 湿度大于 80%RH 时测量值。
45W 350ML/ 天， 30W 220ML/ 天

◎ Input specification: 1-channel temperature and humidity input module
◎ Measuring range: Temperature: 0℃ - 100℃; Humidity: 0%RH - 99%RH
◎ Basic error
Temperature: ±0.5℃ (10℃ - 50℃), ±1℃ (0℃ - 100℃)
Humidity: ±3%RH (10%RH - 90%RH), ±5%RH (0%RH - 99%RH)
◎ Resolution: Temperature 0.1℃, Humidity 0.1%RH
◎ Control mode: On-off control
◎ Output specification: 250VAC/3A or 30VDC/3A
◎ Working power supply: 220VAC, 50/60Hz, power consumption < 80VA.
◎ Working environment: Temperature 0 - 50℃, humidity ≤85%RH in non-corrosive occasions.
◎ Dehumidification capacity: Measured value when the temperature is less than 35 degrees and the humidity is greater than 80%RH.
45W 350ML/day, 30W 220ML/day

安装尺寸/installation size

外形尺寸 (高 185* 宽 108* 厚 61)/dimensions（L185*W108*H61）



接线方式/ Wiring diagram