2022版

产品选型手册

Product Catalogue

HUAXi 華西電子





浙江华西电子有限公司

ZHE JIANG HUAXI ELECTRONICS CO.,LTD

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电子画册

公众号

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HUAXI 華西電子

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公司简介
COMPANYPROFILE

浙江华西电子有限公司座落于国家级重点名胜风景区——雁荡山麓，“中国电气之都”——温州柳市。创办于1997年，占地面积4003平方米，建筑面积10500平方米，现有员工100余人，其中工程技术人员16人。

公司是专业制造各类电采暖炉控制器、壁挂炉等智能控制板、水泵控制器、压力变送器、温度控制器、温度指示表、燃气温度控制阀。产品广泛用于水泵电机类、电热水器、电烤箱、洗衣机、塑料机械、西厨设备、燃气烤炉、燃气空调、火鸡锅、锅炉水泵、中央空调采暖，通风系统等配套自动化控制产品。

公司研发生产金属化有机薄膜电容器，拥有先进的生产和检测设备，产品质量稳定可靠，广泛应用于通信、家电、电源、绿色照明、计算机、工业控制、电动工具及汽车电子等领域。

公司自创立以来，坚持人才和产品并重的原则，吸纳了具有经验丰富的工程技术人员和专业管理人才。严管理、高技术、先进的生产设备及完善的检测手段，生产高品质的产品，提供优质的售后服务。主导产品通过CSA、CQC、CCC、CE、RoHS认证，全面推行ISO质量管理体系。产品配套国内知名品碑厂家，并成为国外著名品牌OEM合作伙伴，畅销全国，远销海外。

公司以“不断创新、开拓进取”的质量方针秉承“诚信创业” 坚持“诚信双赢”的经营理念，一如既往地同各方新老客商携手合作，共谋发展，再创辉煌。

Zhejang Huaxi Electronics Co.,Ltd is located at the foot of national famous place of Yandang Mountain, known as “China Electric Capital” ---Wenzhou Liushi. Our company founded in 1997, floor area is 4003 m², building area is 10500 m². Our company has 100 staff, and engineer are 18 persons.

We produce different kinds panels of Electric Heating Controller, electronic magnetic heating stove, fireplace, Water pump controller, Immersion Thermostat series, Capillary Thermometer series, Pressure Transmitter Series, Gas Temperature Control Valve, Intelligent Pressure Controller Series, Intelligent Hot Water Circulation System, Leakage protection Switch/socket series, Electric Heating Boiler Controller Series. Our products are widely used in water pump motor, electric water heater, electric heater ovens, washing machine, plastic machinery, west kitchen equipment, Gas grill, gas air condition, turkey pots, boiler pumps, central air condition heating, ventilation system and supporting automatic control products.

Our company produces and develops Metallized Organic Film Capacitor, has advanced production and testing equipment. Quality is stable, It used widely in communication, household appliances, power supply, green lighting, computer, industrial control, electric tools and automotive electronics.

Since the company established, always insisted on the principle of paying equal attention to talents and products, absorbing experienced engineers and professional managing personnel. Basing on strict management, high technology, advanced mechanical facilities, perfect test technique, it can provide the user with high quality products and good after-sales service. The main products have been certified to CSA, VDE, CQC, CE and RoHS. The quality Management system ISO has been full implementation. Our company has become the cooperation partner for foreign famous brand and OEM service , it sells well all over China and abroad.

With the quality policy of “Constant, Innovation for Improvement”, we follow “Faithful Business”, stick to the operation ideology of “Double Win with Faith ” and continue to cooperate with new and regulator customers for mutual development and brilliance .



车间设备
WORKSHOPEQUIPMENT











资质证书
QUALIFICATIONCERTIFICATE





ISO9001 RoHs

www.china-huaxi.com

产品目录
Product catalogue

压力、温度、智能控制
SMART IN PRESSURE & TEMPERATURE

不断创新 Constant, Innovation
开拓进取 Improvement
诚信创业 Faithful Business
诚信双赢 Double Win with Faith



冷媒压力变送器系列
Refrigerant pressure transmitter series



液位变送器系列
Liquid level transmitter series



工业压力变送器系列
Industrial pressure transmitter series



高压共轨压力变送器系列
High pressure common rail pressure transmitter series



小型压力变送器系列
Small pressure transmitter series



压力传感器芯体系列
Pressure transmitter Sensor core system



智能压力控制器系列
Intelligent pressure controller series



智能控制器系列
Intelligent controller series



漏电保护开关/摇控插座系列
Leakage protection switch/ remote control socket series



温控器系列
Immersion Thermostat Series



温度表系列
Capillary Thermometer Series



锅炉水泵自动控制器系列
Boiler pump automatic controller series



浮球控制器系列
Float ball controller series



热水循环控制系统
Hot water circulation control system



采暖炉控制器系列
Heating boiler controller series

PT101 系列
冷媒压力变送器
Refrigerant pressure transmitter

PT101系列压力变送器专用于空调、制冷和压缩机以及液压系统的压力精确测量，包括多种制冷剂、以及制冷剂与润滑剂的混合物，同时适用于油、水、气体等介质。



PT101冷媒压力变送器 PT101 refrigerant pressure transmitter



产品特点 Features

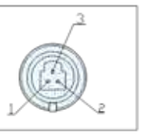
1、传感器采用进口扩散硅压力芯片及调理IC，保证测量精度和可靠性。
2、具备优异的抗干扰性能(EMC、EMI)和防护等级。
3、整体进行温度补偿，多温区多压力点标定，保证全温区内的压力精度，符合空调制冷应用要求。
4、采用全焊接工艺，无密封圈结构，彻底杜绝了橡胶密封件受介质及环境、时效的影响，而造成密封失效的风险。
5、采用7/16-20UNF标准螺纹，带顶针，体积小巧，安装方便，提供多种电气接口。

1.The sensor adopts imported diffused silicon pressure chip and conditioning IC to ensure the accuracy and reliability of measurement.
2.Excellent anti-interference performance (EMC, EMI) and protection grade.
3.The whole temperature compensation, multi-temperature area and multi-pressure point calibration, to ensure the pressure accuracy in the whole temperature area, in line with the requirements of air-conditioning and refrigeration applications.
4.The whole welding process, no sealing ring structure, completely eliminate the rubber seal by medium and environment, aging, resulting in the risk of sealing failure.
5.Adopts 7/16-20UNF standard thread, with thimble, compact size, easy installation, provides a variety of electrical interfaces.

连接方式及螺纹接口 Connection method&Thread interface

派克接头

输出形式	脚位	功能	配线
2线制 4-20mA	1	电源 +	棕
	2	电源 -/信号-	蓝
	3	空脚	
3线制 0.5-4.5V 0-5V 0-10V	1	电源 +	棕
	2	电源 -	蓝
	3	输出 +	黄



M12接头

输出形式	脚位	功能	配线
2线制 4-20mA	1	电源 +	棕
	3	电源 -/信号-	蓝
	3、4	空脚	
3线制 0.5-4.5V 0-5V 0-10V	1	电源 +	棕
	3	电源 -	蓝
	2	输出 +	白

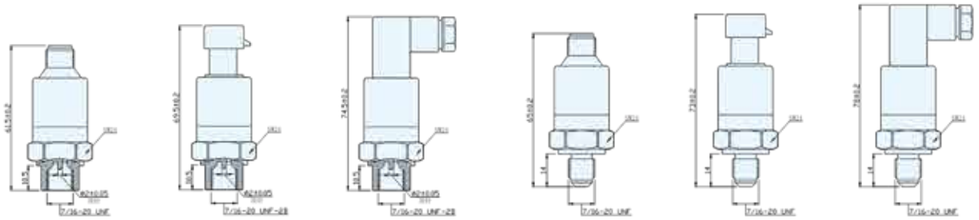


赫斯曼接头

输出形式	脚位	功能	配线
2线制 4-20mA	1	电源 +	棕
	2	电源 -/信号-	蓝
	3	空脚	
3线制 0.5-4.5V 0-5V 0-10V	1	电源 +	棕
	2	电源 -	蓝
	3	输出 +	黄



安装尺寸与外形尺寸 Mounting and Appearance Dimensions



产品型号及参数 Product Model And Parameter

产品型号 Product model	量程范围 Scale range	工作电压 Working voltage	输出信号 Output signal	测量精度 Accuracy of measurement	过载压力 Pressure overload
PT101	-0.1～0.8…60MPa	8～32VDC 5VDC	4～20mA 0.5～4.5V 0/1～5/10V	0.5%FS（典型）	200%FS （高压150%FS）
工作温度 Working temperature	流体温度 Fluid temperature	介质材料 Dielectric materials	电气接口 Electric Port	压力接口 Pressure Port	防护等级 IP
-30℃～85℃	-40～125℃	SUS316	派克3芯 M12航插 小型赫斯曼	典型7/16-UNF 其它可定制	IP65/IP67

PT400 系列
液位变送器
PT400 Liquid Level Transmitter Series



PT400液位变送器 PT400 Liquid Level Transmitter



产品特点 Features

1、专为直接投入液体中测量液位而设计，防潮、防冻、防雷击;
2、采用进口高精度扩散硅压力传感器;
3、信号经过数字化处理，电脑修正线性和温度补偿，严格的老化测试，保证输出精度和长期稳定性;

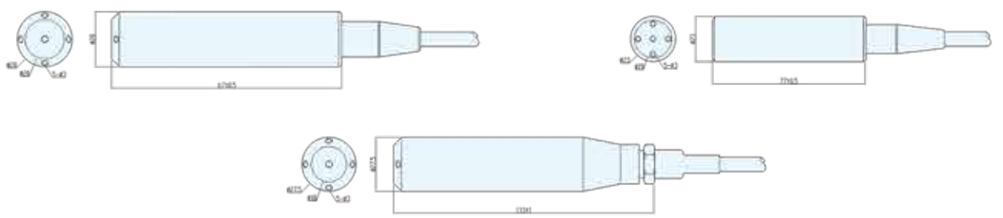
1. Specially designed for measuring liquid level directly into liquid, moisture-proof, freeze-proof and lightning-proof
2. Adopt imported high-precision diffused silicon pressure sensor
3. After digitized the signal, corrected the linear and the temperature drift compensation by computer and tested by aging facility, the output precision and long stability be guaranteed.

产品型号及参数 Product types and parameters

PT400 – 05m 05 1 1 G 2 – T

- 温度类型 (T: 高温型 无: 常温型)
- 输出类型 (1: 0.5–4.5V 2: 4–20mA 3: 0–10V)
- 压力类型 (G: 表压)
- 壳体类型 (1: 直肩型 2: 斜肩型 3: 小型)
- 电缆类型 (1: 聚乙烯 2: 聚氯乙烯 PVC 3: 聚氨酯 PU)
- 精 度 (02: 0.2% 05: 0.5% 10: 1%)
- 量 程 (M: 米)
- 大类型号

安装尺寸与外形尺寸 Mounting and Appearance Dimensions



产品型号及参数 Product Model And Parameter

产品型号 Product model	量程范围 Scale range	工作电压 Working voltage	输出信号 Output signal	测量精度 Accuracy of measurement	过载压力 Pressure overload
PT400	0 ~ 1m…20m H_2O	8 ~ 32VDC 5VDC	4 ~ 20mA 0.5 ~ 4.5V 0/1 ~ 5/10V	0.5%FS (典型)	200%FS
工作温度 Working temperature	线材 wire	介质材料 Dielectric materials	电气接口 Electric Port	压力接口 Pressure Port	防护等级 IP
-20℃ ~ 85℃	聚氨酯/PVC	SUS316	直接引线	无	IP68

PT200 系列
工业压力变送器
Industrial pressure transmitter



PT200压力变送器 PT200 Pressure Transmitters



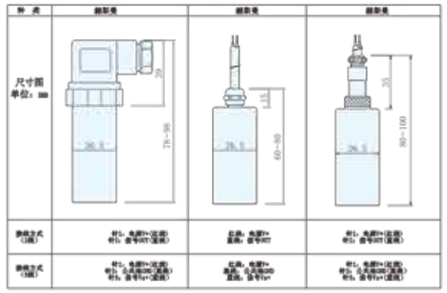
赫斯曼接头

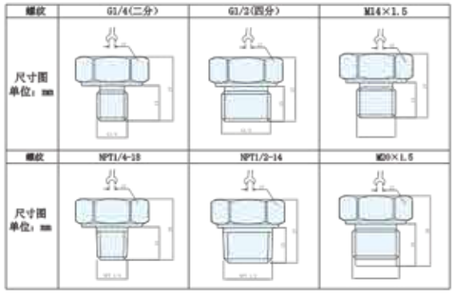
产品特点 Features

1. 芯体采用高性能进口扩散硅压力芯片，真空充油封装，抗过载、防水锤、抗冻能力强。
2. 高性能的电子元器件加上精良的电路设计，具备优良的抗干扰、防浪涌能力，轻松应对变频器等大功率强干扰场合。
3. 信号经过数字化处理，电脑修正线性和温度漂移补偿，严格的老化测试，保证输出精度和长期稳定性。

1.Imported high performance diffused silicon microchipused as the core sensing element, vacuum oilfilledpackaging process, excellent ability in against overload, water hammer and freezing.
2.High performance electronic components and excellent circuit design, with excellent anti-interference and anti-surge ability, easy to deal with high-power inverter and other strong interference occasions.
3.After digitized the signal, corrected the linear and the temperature drift compensation by computer and tested by aging facility, the output precision and long stability be guaranteed.

连接方式及螺纹接口 Connection method&Thread interface





产品型号及参数 Product Model And Parameter

PT200－100M 05 1 1 G 1－T

- 温度类型 (T: 高温型 无: 常温型)
- 输出类型 (1: 0.5-4.5V 2: 4-20mA 3: 0-10V)
- 压力类型 (A: 绝压 G: 表压)
- 螺纹接口 (1: G1/4 2: G1/2 3: M10x1 4: M20x1.5 5:M12x1.5 6:M16x1.5 7:M14x1.5 8:7/16-UNF 9:7/16-UNF内 10:M18x1.5)
- 电气连接 (1: 赫斯曼 2: 派克接头 3: 防水接头 4: 航空插头 5: 塑料直接 6: 插针接头 7: M12航插 8: 博世:1928.403.968)
- 精　　度 (02: 0.2% 05: 0.5% 10: 1%)
- 量　　程 (M: Mpa B: Bar)
- 型　　号 PT200

产品型号 Product model	量程范围 Scale range	工作电压 Working voltage	输出信号 Output signal	测量精度 Accuracy of measurement	过载压力 Pressure overload
PT200	0～0.6…100MPa	8～32VDC 5VDC	4～20mA 0.5～4.5V 0/1～5/10V	0.5%FS（典型）	200%FS （高压150%FS）
工作温度 Working temperature	壳体材料 Shell material	介质材料 Dielectric materials	电气接口 Electric Port	压力接口 Pressure Port	防护等级 IP
-20℃～85℃	SUS304	SUS316	赫斯曼	G1/4 G1/2 M20*1.5 M14*1.5 其它可定制	IP65

PT500 系列
高压共轨压力变送器
High pressure common rail pressure transmitters



PT500高压共轨压力变送器 PT500 High pressure common rail pressure transmitters



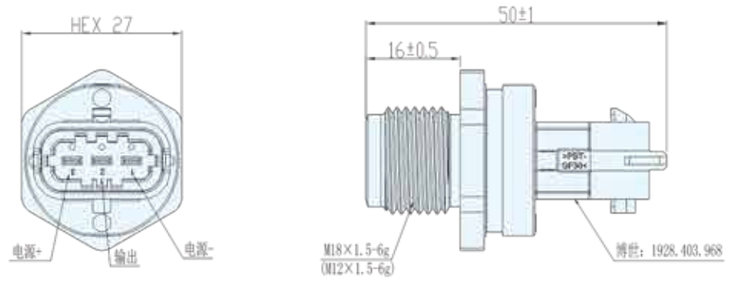


产品特点 Features

1、专为汽车共轨压力而设计，广泛适用于各种机型和车型;
2、采用玻璃微熔传感器，特殊结构设计，抗腐蚀，抗过载，无泄漏风险;
3、精密电路设计，抗干扰能力强;
4、电脑修正线性和温度补偿，严格的老化测试，保证输出精度和长期稳定性;

1. It's special design for pressure common rail , widely used in different kinds of cars and motors.
2. It adopts glass micro-melting sensor, special structure design, anti-corrosion, anti-overload, no spill risk.
3. Precise circuit design, strong anti-interference ability,
4. Corrected the linear and the temperature drift compensation by computer, tested by aging facility, the output precision and long stability by guaranteed.

典型产品结构设计 Typical product structure design



产品技术说明 Technical Instructions

产品外观 Product Appearance	技术参数 Parameters	市场编号 Market No.	适用机型 Suitable Motors	适用车型 Applicable cars
	供电电压：4.75~5.25VDC(额定5V) 输入电流：最大15mA 工作温度：-40~140℃ 压力范围：0~250MPa 安全压力：250MPa 爆破压力：300MPa 输出特性：0.5-4.5V(10%~90%Vpwr) 高钳位输出：92%±2%Vpwr 安装扭矩：100N.m Supply voltage：4.75~5.25vdc Input current：Max.15mA Work temperate：-40~140℃ Pressure range：0~250MPa Safety pressure：250MPa Burst pressure：300MPa Output characteristics：0.5-4.5V(10~90%) High clamp output：92%±2%Vpwr Mounting torque：100N.m	0281 002 937 0281 002 921 0281 002 719 0281 006 186 0281 006 364 0281 006 425 0281 006 176 0281 002 706 0281 006 325 0281 006 158 0281 002 851 0281 002 952	**FENDT:** V 837069410 **IVECO:** 504152959 8099063 **KHD:** 04213470 4213470 **MAN:** 51274210229 51274210230 51274210236 **TEMSA:** 51274210229 **VM:** 45962072G **VOLVO PENTA:** 3843100 **大众（进口）：** 06L145100L **福特（进口）：** 1581708 9S519G756AB	**奇瑞:** 奇瑞 东方之子 1.9 TDI **猎豹（长丰猎豹）：** 猎豹 CS6 SUV **金杯:** 金杯（华晨金杯）阁瑞斯 MPV 2.5TDI **长城:** 长城 哈弗 SUV/越野车 2.8TCI 长城 哈弗 2.8TCI 4WD **沃尔沃（进口）：** 沃尔沃（进口）S80 Ⅱ （124）2.4 D **萨博（进口）：** 萨博（进口）9-5（YS3E） 1.9 TiD **MAN:** MAN TGS 33.320 .....

PT100 系列
小型压力变送器
Small pressure transmitter



PT100压力变送器 PT100 Pressure Transmitters



航空接头
Aviation Connector



航空接头
Aviation Connector



派克接头
Parker Connector



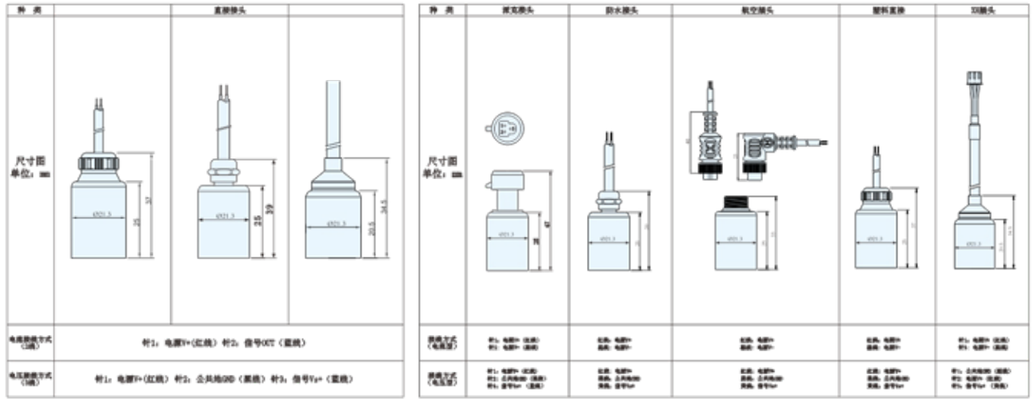
直接引线型
Direct Lead Type

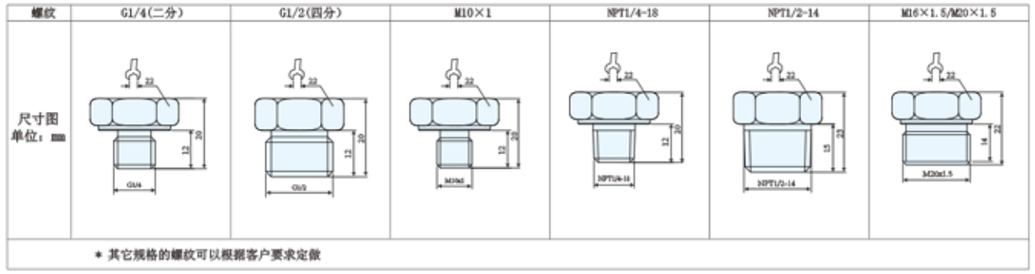
产品特点 Features

1. 芯体采用高性能进口扩散硅压力芯片，真空充油封装，抗过载、防水锤、抗冻能力强。
2. 高性能的电子元器件加上精良的电路设计，具备优良的抗干扰、防浪涌能力，轻松应对变频器等大功率强干扰场合。
3. 信号经过数字化处理，电脑修正线性和温度漂移补偿，严格的老化测试，保证输出精度和长期稳定性。

1.Imported high performance diffused silicon microchipused as the core sensing element, vacuum oilfilledpackaging process, excellent ability in against overload, water hammer and freezing.
2.High performance electronic components and excellent circuit design, with excellent anti-interference and anti-surge ability, easy to deal with high-power inverter and other strong interference occasions.
3.After digitized the signal, corrected the linear and the temperature drift compensation by computer and tested by aging facility, the output precision and long stability be guaranteed.

● 连接方式及螺纹接口 Connection method&Thread interface





* 其它规格的螺纹可以根据客户要求定做

● 产品型号及参数 Product Model And Parameter

PT100－40B 05 1 1 G 1－T

- 温度类型 (T: 高温型　无: 常温型)
- 输出类型 (1: 0.5–4.5V 2: 4–20mA 3: 0–10V)
- 压力类型 (A: 绝压 G: 表压)
- 螺纹接口 (1: G1/4　2: G1/2　3: M10x1　4: M20x1.5　5:M12x1.5　6:M16x1.5　7:M14x1.5　8:7/16–UNF　9:7/16–UNF内　10:M18x1.5)
- 电气连接 (1: 赫斯曼 2: 派克接头 3: 防水接头 4: 航空插头　5: 塑料直接　6: 插针接头　7: M12航插　8: 博世:1928.403.968)
- 精　　度 (02: 0.2%　05: 0.5%　10: 1%)
- 量　　程 (M: Mpa B: Bar)
- 型　　号 PT100

产品型号 Product model	量程范围 Scale range	工作电压 Working voltage	输出信号 Output signal	测量精度 Accuracy of measurement	过载压力 Pressure overload
PT100	0～0.6…60MPa	8～32VDC 5VDC	4～20mA 0.5～4.5V 0/1～5/10V	0.5%FS（典型）	200%FS（高压150%FS）
工作温度 Working temperature	壳体材料 Shell material	介质材料 Dielectric materials	电气接口 Electric Port	压力接口 Pressure Port	防护等级 IP
–20℃～85℃	SUS304	SUS316	航空插头 派克接头 赫斯曼 防水直接	G1/4 G1/2 M20*1.5 M14*1.5 其它可定制	IP65/IP67

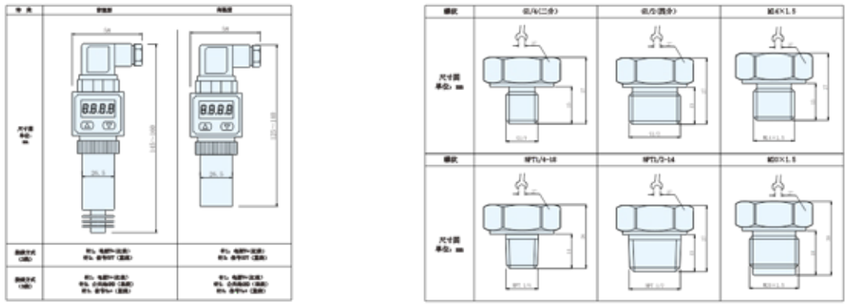
● PT300压力变送器 PT300 Pressure Transmitters



● 产品特点 Features

1. 采用316L不锈钢隔离膜片结构，其抗腐蚀能力大大优于304不锈钢。
2. 微型放大器，电压、电流、频率信号输出。
3. 高精度、全不锈钢结构，经过多次不锈钢焊接，实现了全固态设计，在恶劣的环境中可以长期使用。
4. 欧洲进口赫斯曼接头，让信号一直稳定。
5. 10年工艺考验，电路设计不断优化，抗干扰性能极强。
1. Using 316L stainless steel diaphragm structure, its corrosion resistance is much better than 304 stainless steel.
2. Miniature amplifiers, voltage, current, frequency signal output.
3. High–precision, all–stainless–steel structure, welded through multiple stainless steels, achieves High quality terminal block, strong anti–interference ability, long–term stability.
4. European import Hessman connector, so that the signal has been stable.
5. 10 years of process testing, continuous optimization of circuit design, strong anti–interference performance.

● 连接方式及螺纹接口 Connection method&Thread interface



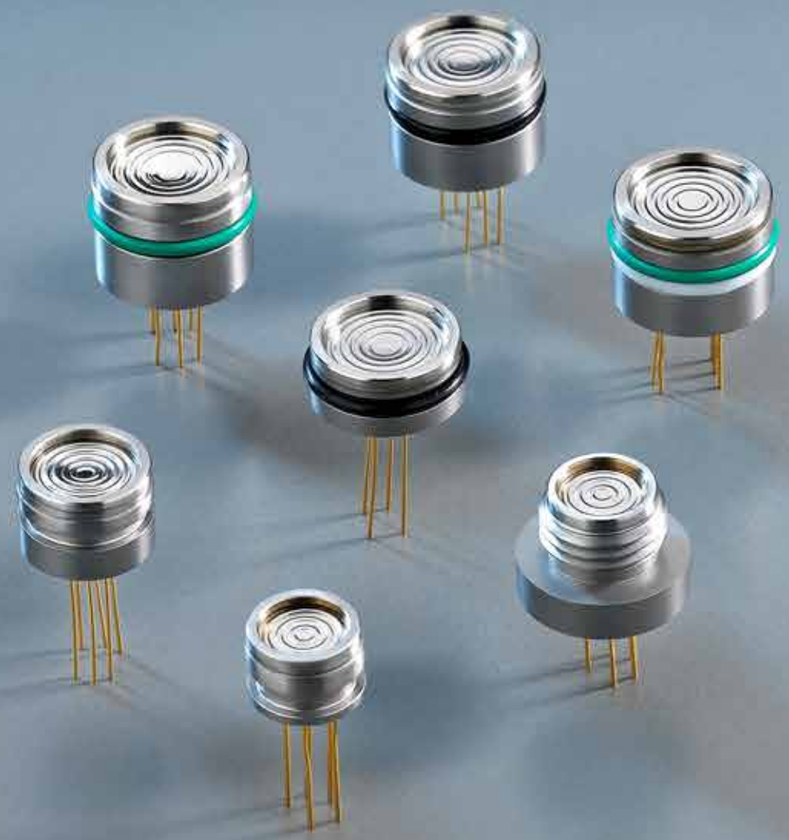
● 产品型号及参数 Product Model And Parameter

PT300－100M 05 1 1 G 1－T

- 温度类型 (T: 高温型　无: 常温型)
- 输出类型 (1: 0.5–4.5V 2: 4–20mA 3: 0–10V)
- 压力类型 (A: 绝压 G: 表压)
- 螺纹接口 (1: G1/4　2: G1/2　3: M10x1　4: M20x1.5　5:M12x1.5　6:M16x1.5　7:M14x1.5　8:7/16–UNF　9:7/16–UNF内　10:M18x1.5)
- 电气连接 (1: 赫斯曼 2: 派克接头 3: 防水接头 4: 航空插头　5: 塑料直接　6: 插针接头　7: M12航插　8: 博世:1928.403.968)
- 精　　度 (02: 0.2%　05: 0.5%　10: 1%)
- 量　　程 (M: Mpa B: Bar)
- 型　　号 PT300

产品型号 Product model	量程范围 Scale range	工作电压 Working voltage	输出信号 Output signal	测量精度 Accuracy of measurement	过载压力 Pressure overload
PT300	0～0.6…100MPa	8～32VDC 5VDC	4～20mA 0.5～4.5V 0/1～5/10V	0.5%FS（典型）	200%FS（高压150%FS）
工作温度 Working temperature	壳体材料 Shell material	介质材料 Dielectric materials	电气接口 Electric Port	压力接口 Pressure Port	防护等级 IP
–20℃～85℃	SUS304	SUS316	航空插头 派克接头 赫斯曼 防水直接	G1/4 G1/2 M20*1.5 M14*1.5 其它可定制	IP65/IP67

PC10 系列
压力传感器芯体
Pressure transmitter Sensor core system



PC10压力传感器芯体系列 PC10 Pressure sensor core system

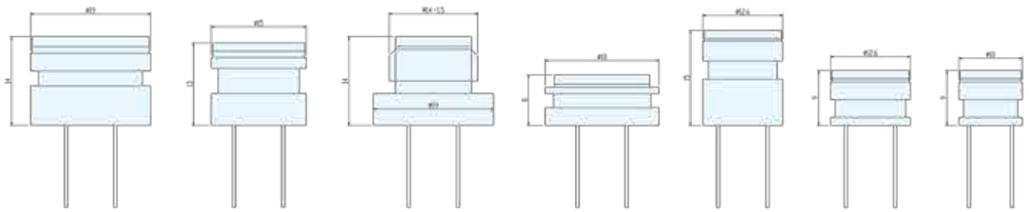


产品特点 Features

采用工业级不锈钢真空扩散硅传感器，高压冲击100000次不坏，具有耐冲击，耐高温，耐低寒，防氧化水锈，不附着有害水质微生物，同时采用不锈钢感压薄膜，感应更精准，反应更快更灵敏高品质压力控制器，其核心就是传感器，采用316不锈钢材质,高精密数控搭配进口密封圈

Latest designed oil-filled diffused silicon pressure sensor, high pressure impact 100,000 times is not bad, and against the interference/erosion/freeze/shock, high precision and stability. All stainless steel material with induction pressure film. Faster pressure reaction and more sensitive. The most important for high quality pressure controller is the sensor. It adapts 316 stainless steel , high precision CNC with imported seal.

安装尺寸与外形尺寸 Mounting and Appearance Dimensions



PC10-Φ19 PC10-Φ15 PC10-Φ14 PC10-Φ18 PC10-Φ12.6A PC10-Φ12.6B PC10-Φ10

产品型号及参数 Product Model And Parameter

压力类型 Pressure type	量程范围 Scale range	输入阻抗 Input impedance	零点输出 Zero output	满量程输出 Full range output	激励 Incentive
表压 绝压 密封	-100KPa…0~100KPa …100MPa	2KΩ~8KΩ	±2mV	≥50V	恒流1.5mA
精度 Precision	**长期稳定性 Long-term stability**	**补偿温度 Compensation temperature**	**工作温度 Working temperature**	**壳体和膜片材料 Shell and diaphragm materials**	**灌注液体 Perfusion liquid**
±0.25%FS(BFSL)	±0.1%FS/年	SUS316	-40℃~125℃	SUS316L	硅油

SKP 系列
智能压力控制器
Intelligent pressure controller



SKP-20/40智能压力控制器 SKP-20 Intelligent Pressure Controller



SKP-20



SKP-40

产品特点 Features

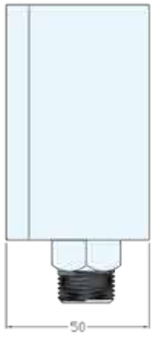
1. 采用公司自主研发的压力传感器，工业级同款，全不锈钢结构，充油工艺，真正做到耐冲击、耐高压、耐腐蚀、耐冰冻、高精度、高稳定性，保证使用寿命10万次以上。有效解决了目前市面上的传感器受水泵启动冲击易脆裂，受水质和湿气影响造成精度漂移，控制不稳定的问题。
2. 具备缺水保护和过载保护功能，有效防止电机卡死、堵转和空转，保护电机不烧坏。
3. 经过多次优化的程序全面满足不同的应用场合：无塔供水、有塔储水、压力罐储水等。
4. 集成国际标通用插座孔，无需接线，即插即用。

1. Equipped with our latest designed oil-filled diffused silicon pressure sensor, all stainless steel material for shell, against the Interference/erosion/freeze/shock, high precision and stability. Perfectly solve the problems such as poor water hammer resistance and frost resistance because of equipped with ceramic sensor and no oil-filled diffused silicon sensor in the current market.
2. Water shortage and overload protection, avoid electric motor stuck, stalled and idled, protect the electric motor effectively.
3. Backed by upgraded programs, can be fully suited for different applications: No water supply Water tower supply Pressure water tank supply.
4. International standard general socket outlet, no wiring required, plug and play.

安装尺寸与外形尺寸 Mounting and Appearance Dimensions







产品型号及参数 Product Model And Parameter

型号 Model	工作电压 Working voltage	适用功率 Applicable power	控制模式 Control mode	测量精度 Measurement accuracy	最大输入压力 Maximum input pressure	接口螺纹 Interface thread	外观尺寸 Appearance size
SKP-20	110-275VAC	≤2200W	水位/水压 Water level / pressure	0.1Bar/0.01MPa	4MPa	1/2"四分 1/4"二分	直径80mm
SKP-40	110-275VAC	≤2200W	水位/水压 Water level / pressure	0.1Bar/0.01MPa	4MPa	1/2"四分 1/4"二分	直径80mm

SKP-21智能压力控制器 SKP-21 Intelligent Pressure Controller





产品特点 Features

1. 采用公司自主研发的压力传感器，扩散硅芯片，真空充油工艺，全不锈钢结构，达到工业应用级别。经过无数次改良设计，真正做到耐冲击、耐高压、耐腐蚀、耐冰冻、高精度、高稳定性，彻底解决了目前市面上普遍采用陶瓷传感器和未经充油封装的传感器，耐受水锤能力差和抗冻能力差的问题。
2. 具备缺水保护和过载保护功能，有效防止电机卡死、堵转和空转，保护电机不烧坏。
3. 经过多次优化的程序全面满足不同的应用场合：无塔供水、有塔储水、压力罐储水等。

1. Equipped with our latest designed oil-filled diffused silicon pressure sensor, all stainless steel material for shell, against the interference/erosion/freeze/shock, high precision and stability. Perfectly solve the problems such as poor water hammer resistance and frost resistance because of equipped with ceramic sensor and no oil-filled diffused silicon sensor in the current market.
2. Water shortage and overload protection, avoid electric motor stuck, stalled and idled, protect the electric motor effectively.
3. Backed by upgraded programs, can be fully suited for different applications: No water supply, Water tower supply, Pressure water tank supply.

安装尺寸与外形尺寸 Mounting and Appearance Dimensions





产品型号及参数 Product Model And Parameter

型号 Model	工作电压 Working voltage	负载功率 Load Power	压力范围 Pressure Range	显示精度 Precision	水流检测 Water flow sensor	输出接口 Output Connection	外观尺寸 Appearance size
SKP-21	110-275VAC	≤2200W	0-10 Bar 0-20 Bar	0.01Bar	可外加 Can be added	插座口或电缆线 Socket output or wire	85x73x50

SKP-22智能压力控制器 SKP-22 Intelligent Pressure Controller





产品特点 Features

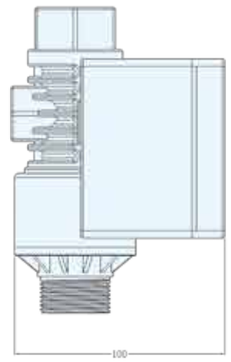
1. 智能化升级，真正做到傻瓜式操作。
2. 内置止回阀和水流传感器，不需额外配件，即装即用。
3. 采用公司自主研发的压力传感器，扩散硅芯片，真空充油工艺，全不锈钢结构，达到工业应用级别。
4. 具备缺水保护和过载保护功能，有效防止电机卡死、堵转和空转，保护电机不烧坏。
5. 经过多次优化的程序全面满足不同的应用场合：无塔供水、有塔储水、压力罐储水等。

1. Upgrade in intelligence, operated by fully automatically.
2. One check valve and one flow sensor inside, no additional accessories required.
3. Equipped with our latest designed oil-filled diffused silicon pressure sensor, all stainless steel material for shell, against the interference/erosion/freeze/shock, high precision and stability.
4. Water shortage and overload protection, avoid electric motor stuck, stalled and idled, protect the electric motor effectively.
5. Backed by upgraded programs, can be fully suited for different applications: No water supply,Water tower supply,Pressure water tank supply.

安装尺寸与外形尺寸 Mounting and Appearance Dimensions







产品型号及参数 Product Model And Parameter

型号 Model	工作电压 Working voltage	负载功率 Load Power	压力范围 Pressure Range	显示精度 Precision	水流检测 Water flow sensor	输出接口 Output Connection	外观尺寸 Appearance size
SKP-22	110-275VAC	≤2200W	0-20 Bar	0.01Bar	集成水流检测 Integrated Water Flow Sensing	电缆线 Wire	99x85x101

SKP-23三相智能压力控制器 SKP-23 3 Phase Intelligent Pressure Controller



产品特点 Features

1. 三相（ 380V ）智能压力控制器是我公司专为三相水泵配套最新研发的一款高性能水泵压力控制器，采用充油扩散硅压力传感器，高稳定性。抗干扰、侵蚀、冻结、冲击，高精度和高稳定性。彻底解决了市面上普遍采用的陶瓷传感器和未充油封装的传感器，耐受水锤能力差和耐冰冻能力差的问题。
2. 具备缺水和过载保护功能，避免电机卡死、堵转和空转，有效保护电机。
3. 经过多次优化，完全满足不同应用场合：无塔供水、有塔储水、压力罐储水等。
4. 户外型带安装杆，可与水泵一起安装于基座之上，采用双层密封设计，能更有效地防水。

1. 3 phase 380V pressure controller equipped with our latest designed oil-filled diffused silicon pressure sensor, all stainless steel material for shell, against the interference/erosion/freeze/shock, high precision and stability. Perfectly solve the problems such as poor water hammer resistance and frost resistance because of equipped with ceramic sensor and no oil-filled diffused silicon sensor in the current market.
2. Water shortage and overload protection, avoid electric motor stuck, stalled and idled, protect the electric motor effectively.
3. Backed by upgraded programs, can be fully suited for different applications: No water supply Water tower supply Pressure water tank supply
4. Outdoor type equipped with mounting rod, can be mounted on the base together with pump, double design to get better waterproof performance.

安装尺寸与外形尺寸 Mounting and Appearance Dimensions



产品型号及参数 Product Model And Parameter

型号 Model	工作电压 Working voltage	负载功率 Load Power	压力范围 Pressure Range	显示精度 Precision	水流检测 Water flow sensor	输出接口 Output Connection	外观尺寸 Appearance size
SKP-23/23W	380V AC	7500W	0-20 Bar	0.01Bar	可外加 Can be added	螺柱接线 Stud Wiring	210x140x75

SKP-26/27智能压力控制器 SKP-26/27 Intelligent Pressure Controller

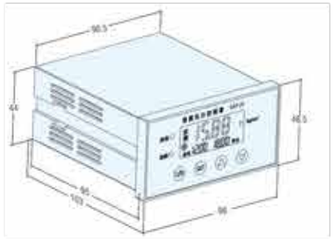


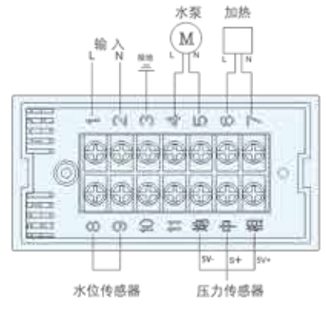
产品特点 Features

1. 自动加热与恒压 (自动启停)
2. 自动补水
3. 防干烧保护
4. 缺水保护和过载保护
5. 标准壳体96x48，嵌入式安装
6. 彩色液晶显示屏
7. 高精度扩散硅压力变送器，带温补

1. Automatic heating and constant pressure (automatic start and stop)
2. Automatic filling water
3. Dry burn protection
4. Water shortage protection and overload protection
5. Standard case 96x48, flush mount
6. Liquid crystal display
7. High precision diffused silicon pressure transmitter with temperature compensation

安装尺寸与外形尺寸 Mounting and Appearance Dimensions





产品型号及参数 Product Model And Parameter

型号 Model	工作电压 Working voltage	负载功率 Load Power	压力范围 Pressure Range	显示精度 Precision	水流检测 Water flow sensor	输出接口 Output Connection	安装孔尺寸 Installation dimensions	外观尺寸 Appearance size
SKP-26	110-275VAC	≤2000W	0-28 Bar	0.01Bar	可外加 Can be added	螺柱接线 Stud Wiring	92x45	96x48.5x103
SKP-27	110-275VAC	水泵:500W 加热:5KW	0-28 Bar	0.01Bar	可外加 Can be added	螺柱接线 Stud Wiring	92x45	96x48.5x103

SKP 系列
智能控制器
Intelligent controller



SKP-31三相遥控智能控制器 SKP-31 3 Phase Intelligent Remote Controller

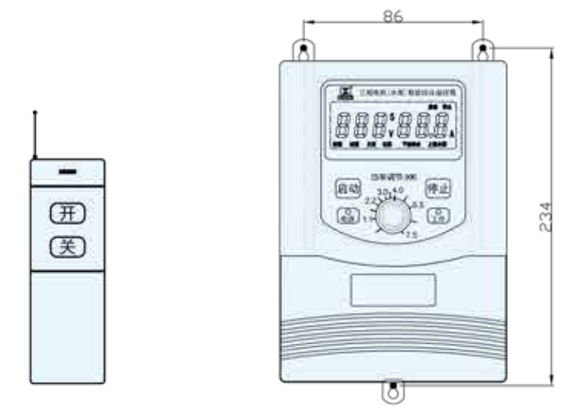


产品特点 Features

1. SKP-31型三相遥控智能控制器具有高智能，高可能性。返时限过载保护功能，过载电流超过设定值越多，过载保护动作越快。对水位及水压的自动控制以及对电机的综合保护，三相遥控智能控制器是最佳的选择。
2. 采用微电脑控制技术。
3. 集上下液位和压力控制为一体。
4. 多重工艺检测，多次模拟老化，确保产品性能可靠。
5. 可接浮球、水位探头、压力开关、报警器等外部控制装置。

1. SKP-31 3 phase remote control pump controller smart and high reliable performance, anti-inverse time and overload protection function. The more overload current there be, the faster reaction it does. It is best choice for automatic control of water level and water pressure of three-phase pump motor and comprehensive protection of motor.
2. It adopts microchip control technology.
3. It integrates the control of upper and lower liquid levels and pressure.
4. It has multiple process inspection and long-time aging simulation to guarantee reliable product performance.
5. It can be connected with float switch, water level sensor, pressure switch and other extra controller.

安装尺寸与外形尺寸 Mounting and Appearance Dimensions



产品型号及参数 Product Model And Parameter

型号 Model	工作电压 Working voltage	适用功率 Applicable power	控制模式 Control mode	测量精度 Measurement accuracy	最大控制距离 Maximum control distance	待机功耗 Standby power consumption	外观尺寸 Appearance size
SKP-31	AC220V	0.75-11KW	水位/水压 Water level/pressure	5%	3000(m)	≤3.5W	210x140x75

SKP-09D水泵智能控制器 SKP-09D Intelligent Water Pump Controller

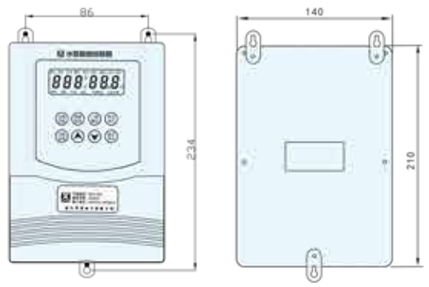


产品特点 Features

1. 采用微电脑控制技术。
2. 集上、下液位和压力控制于一体。
3. 多重工艺检测，多次模拟老化，确保产品性能可靠。
4. 可接浮球、水位探头、压力开关、报警器等外部控制装。
5. 具有过载、空载、过欠压等保护功能 。
6. 具有一键整定功能，轻松设置过载、空载电流。
7. 具有 10 次故阵记亿. 轻松查阅，方便维修。
8. SKP-09D 型水泵智能控制器是单相一控二 220V 水泵控制器，高智能，高可靠性。智能化的“一键设置”帮您轻松设置过载、空载电流。先进的”故障查询”功能具有 10 次故障记忆，当故障停机时，可以快速直询故障代码，找出故障原因，反时限过载保护功能，过载电流超过设定值越多，其过载保护反应越快。适用于单相水泵电机对水位及水压的自动控制以及对电机的综合保护。

1. It adopts micro-computer control technology.
2. It integrates the control of upper and lower liquid levels and pressure.
3. It has multiple process inspection and long-time aging simulation to guarantee reliable product performance.
4. It can be connected with floater, water-level probe, pressure switch, alarm and other external controllers.
5. It has the function of protecting overload, no-load and over/under voltage.
6. It has the function of one-key setting, easy setting of overload and no-load current.
7. It has 10 times of fault memory, easy inquiry and convenient maintenance.
8. SKP-09D intelligent water pump controller single-phase 220V water pump one with high intelligence and reliability. Its intelligent "One-key setting " helps you to set overload and no-load current easily.Its advanced "fault inquiry " function has 10 times of fault memory; when it shuts off due to fault, it can inquire the fault code quickly and find out the fault cause. It has the function of inverse time lag and overload protection: the more the overload current exceeds the set value, the quicker the overload protection action is. It is applicable to automatic control of single-phase water pump motor on water level and water pressure and comprehensive protection on the motor.

安装尺寸与外形尺寸 Mounting and Appearance Dimensions



产品型号及参数 Product Model And Parameter

型号 Model	工作电压 Working voltage	适用功率 Applicable power	控制模式 Control mode	测量精度 Measurement accuracy	最大控制距离 Maximum control distance	待机功耗 Standby power consumption	外观尺寸 Appearance size
SKP-09D-1500	AC220V	0.37-1.5KW	水位/水压 Water level/pressure	5%	1000(m)	≤3.5W	210x140x75
SKP-09D-2200	AC220V	0.75-2.2KW	水位/水压 Water level/pressure	5%	1000(m)	≤3.5W	210x140x75

漏电保护开关/摇控插座系列

Leakage protection switch / remote control socket series

HS-40L系列漏电保护开关(俗称空调保护开关)用为大功率空调、电热水器、太阳能热水器、自动售货机饮水机、电冰箱、洗衣机等淡香电源连接开关，具有漏电，触电保护并及时断开的功能。同时还可防止由于设备绝缘老化、损坏。产生接地故障电流而引起的电气火灾危险。

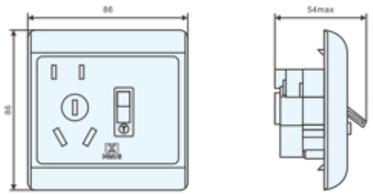
HS-40L earth leakage circuit breaker (also called as wall protection switch) is used for power connection switch of large-power air-conditioner, electric hot water heater, solar hot water heater, vending machine, water dispenser, refrigerator and washer; it has the function of leakage and shock protection and timely turnoff. It can also prevent electricity and fire dangers caused by equipment insulation and aging and damage of the ground fault current.



漏电保护开关/摇控插座 Leakage protection switch/socket series

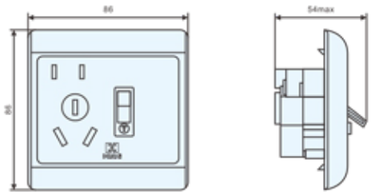


HS-40L-10A



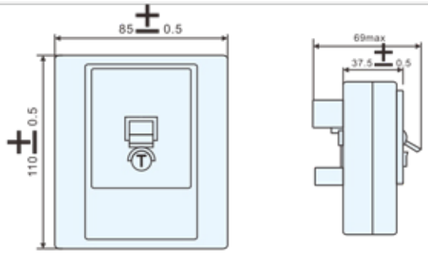


HS-40L-16A



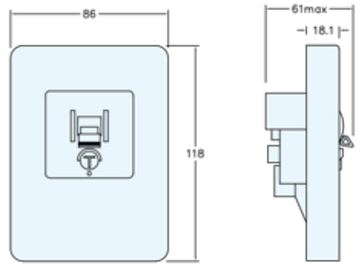


HS-40L-32A/40A





HS-50L-1 32A/40A



产品型号及参数 Product Model And Parameter

型号 Model	额定工作电流 In(A)	约定发热电流 Ith(A)	额定电压 Un(V)	额定接通分断能力 Im(A)	额定限制短路能力 Inc(A)	额定剩余动作电流 I△n(mA)	额定剩余不动作电流 I△no(mA)	安装暗盒型号 Install Cassette Type
HS-40L	10A	15	250	500	3000	30	15	86
HS-40L	16A	20	250	500	3000	30	15	86
HS-40L	32A	50	230	1500	3000	30	15	86,118,120
HS-40L	40A	50	230	1500	3000	30	15	86,118,120
HS-50L-1	32A/40A	50	230	1500	3000	30	15	86,118,120

HX-30Y单相遥控插座 HX-30Y Single Phase Remote Control Socket

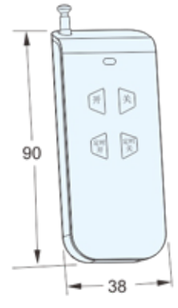


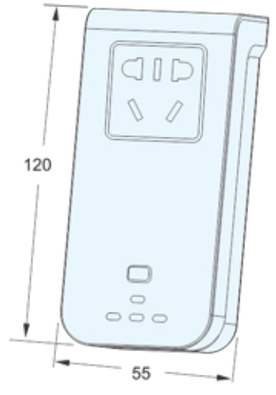


产品特点 Features

1.采用数字编码技术，不会出现重码互控的尴尬。
2.穿墙过壁，灵敏可靠，抗干扰能力强。
3.带定时功能，可定时开或定时关。
4.具备过欠压、过流等保护功能。
5.具备防雷抗浪涌和漏电保护功能。
6.遥控在手轻松一切用电设备，避免设备关机后仍然存在待机耗电和辐射现象，同时延长电器设备的使用寿命，提高产品档次。
1. Using digital coding technology, there will be no duplication.
2. Strong penetration, sensitive and reliable, strong anti-interference ability.
3. With timing function, can be timing on or off.
4. With under – voltage, over – current protection functions.
5. It has the functions of lightning protection, surge resistance and leakage protection.
6. Remote control in hand easily control power cutting equipment, to avoid equipment shutdown still exist standby power consumption and radiation phenomenon, at the same time extend the service life of electrical equipment, improve product grade.

安装尺寸与外形尺寸 Mounting and Appearance Dimensions





产品型号及参数 Product Model And Parameter

型号 Model	工作电压 Working voltage	负载功率 Load Power	遥控距离 Remote control distance	定时功能 Timing function	输出接口 Output Connection	外观尺寸 Appearance size
HX-30Y	220V AC	2200W	300m/500m	定时开/定时关	孔插口	120x55x33

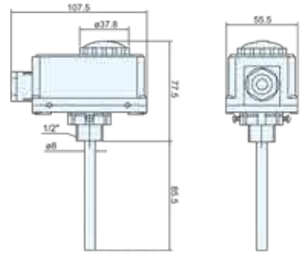
WZA 系列
温控器
Immersion Thermostat Series



WZA-CY/WZA-CS/WZA-CY2/WZA-CS2 温控器
WZA-CY/WZA-CS/WZA-CY2/WZA-CS2 Temperature controller

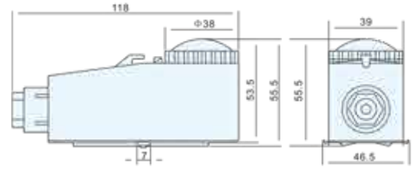


WZA–CY



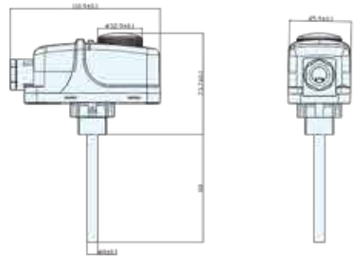


WZA–CS



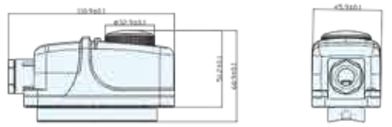


WZA–CY2





WZA–CS2



● **产品特点** Features

WZA–CY WZA–CS WZA–CY2 WZA–CS2系列温控器，适用于热水管道、锅炉、供热管道用的双金属式、压力式温控器。
WZA–CY WZA–CS WZA–CY WZA–CS Series thermostat of pressure type is applicable for hot water pipeline, boiler, bimetal and pressure type temperature controllers.

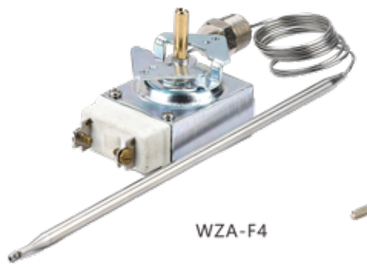
● **产品型号及参数** Product Model And Parameter

型号 Model	控温范围 Temperature control scope	开停差动DIFF Start/stop differential	温控精度OFF Temperature control precision	额定电压、电流 Rated voltage and current
WZA–CY WZA–CS WZA–CY2 WZA–CS2	10–60℃	>2<9	±4	220V16A
	30–90℃	>2<9	±5	220V16A
	30–110℃	>2<9	±6	220V16A

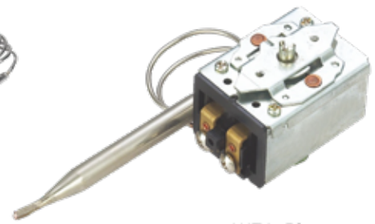
WZA-F/F2 大功率压力式温控器 WZA-F/F2 30A High-Power Thermostat



WZA-F



WZA-F4

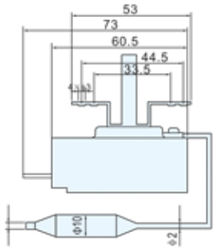


WZA-F2

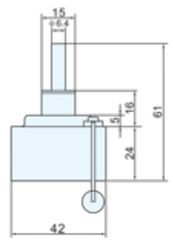
产品特点 Features

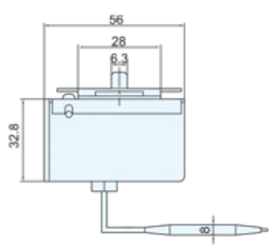
WZA-F/F2 大功率压力式温控器适用于电烤箱、电开水器和厨具用等压力式温控器。
WZA-F/F2 Series high-power thermostat of pressure type is applicable for electric oven,boiled water device, and kitchenware.

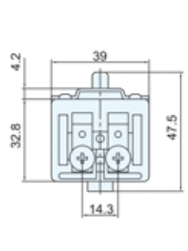
安装尺寸与外形尺寸 Mounting and Appearance Dimensions



WZA-F







WZA-F2

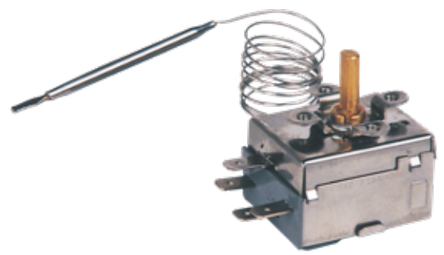
产品型号及参数 Product Model And Parameter

型号 Model	温控范围 Temperature control range	开停差动 Start/stop differential	温控精度 Temperature control precision	额定电压、电流 Rated voltage and current
WZA-F/F2	30~85	>2<9	±5	220V 30A
	30~110	>2<9	±6	220V 30A
	50~200	>2<9	±6	220V 30A
	50~320	>2<9	±9	220V 30A

WZA-B/C 压力式温控器 WZA-B/C Capillary Thermostat



WZA-B

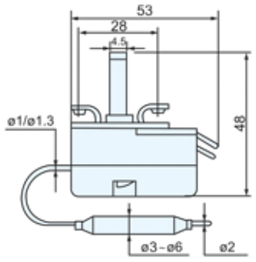


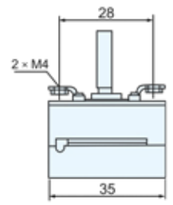
WZA-C

产品特点 Features

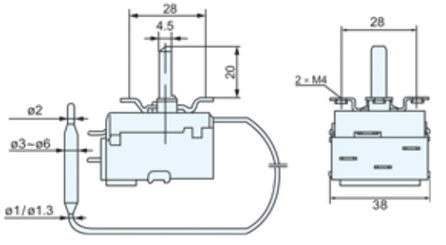
WZA-B/C 适用于电热水器、厨具、洗衣机、电烤箱、电开水器压力式温控器。
WZA-B/C Series thermostat of pressure type is applicable for electric water heater, kitchenware, washing machine,electric oven and boiled water device.

安装尺寸与外形尺寸 Mounting and Appearance Dimensions





WZA-B



WZA-C

产品型号及参数 Product Model And Parameter

开停差动 Start/stop differential	开停差动 Start/stop differential	温控精度 Temperature control precision	额定电压、电流 Rated voltage and current
10~60	>2<9	±4	220V 16A
30~85	>2<9	±5	220V 16A
30~110	>2<9	±6	220V 16A
30~230	>2<9	±8	220V 16A
50~320	>5<10	±9	220V 16A

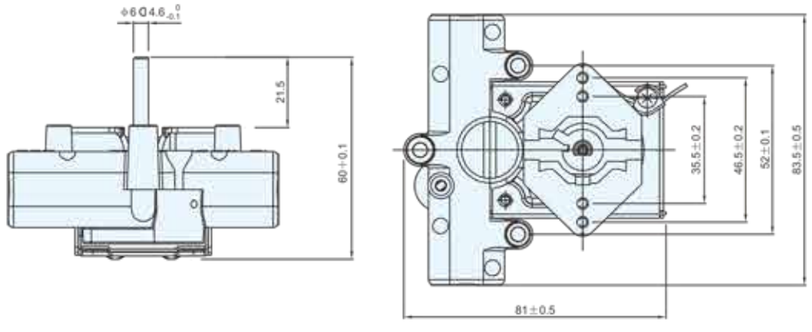
WZA-RF15 燃气温度控制阀 WZA-RF15 Gas Temperture Control Valve



产品特点 Features

WZA-RF15 系列燃气温控阀产品是我公司最新研制的燃气管道温度控制器，申请了国家新型实用专利和外型专利，并通过CSA认证。产品具备体积小巧、结构紧凑、无需供电，直接对燃气管道进行开关控制，突跳式结构，开关果断，自动复位，恒温效果优异。适用于燃气取暖器、火鸡锅、容积式热水器、壁挂式采暖炉、燃气空调用带常明火、自动熄火保护的燃气温控阀。
WZA-RF15 series gas temperature control valve products are the latest gas pipe temperature controller developed by our company, has applied for state patent of utility model and design patent, and certified to CSA.The products have features of small volume, compact structure and power free. It can directly control the gas pipe by using switch Burst switch resets automatically, with good constant temperature effect. It applied in gas warmer, turkey cooker, storage type water heater, wall-mounted warming oven, gas temperature control valve with open fire and self-extinguish protection for gas air condition.

安装尺寸与外形尺寸 Mounting and Appearance Dimensions



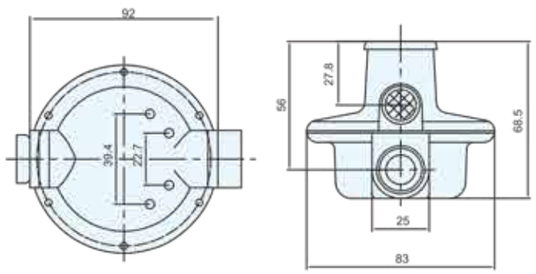
产品型号及参数 Product Model And Parameter

型号 Model	适用范围 Applicability	燃气压力 GAS Pressure	温控范围 Temperature control range	关停差 NO/OFF Difference
WZA-RF15	火鸡锅、烤炉、燃气空调、壁炉等 turkey cooker, oven, gas air condition, fireplace, etc.	1/2PSI(5PSI、10PSI)	0℃~120℃(90℃~220℃)	2℃~9℃

结构型式：突跳式结构、自动式复位、开关果断、火力猛，不对锅体和燃具产生积炭
Structure model: burst structure, reset automatically, and shift purposively, strong thermal power, without producing charcoal deposit to cooker body or gas appliances.

P250 燃气减压阀 P250 Gas Regulator





产品特点 Features

适用于管道天然气和液化石油气等的减压和调压功能。具备稳定的调压能力,优良的低压特性,和较高流量系数。
For pipeline natural gas and liquefied petroleum gas relieving pressure and regulator functions. The ability to have a stable pressure regulation, excellent low- Pressure characteristics, and higher flow coefficient.

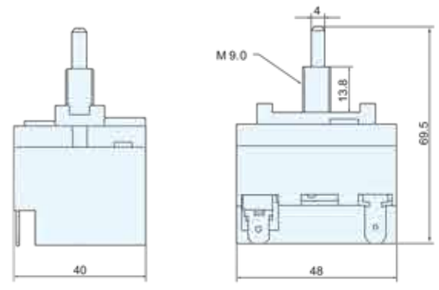
产品型号及参数 Product Model And Parameter

型号 Model	最大进气压力 Maximum allowable intel pressure	接口类型 Connection styles	热功率 Vapor capacity	材料耐温能力 Material temperature capabilities	重量 Approximate Weight
P250	250psig (17.24bar)	Inlet: 1/4NPT Outlet: 3/8npt	350000 BTU/HR (按丙烷 propane)	-30-80℃	0.59 Kg

出口压力范围：3~7"WC(6~17mbar) 5~10" WC(12~25mbar) 9.25~13"WC(23~32mbar) 10" WC~1 psig (25~69mbar)
Outlet pressure ranges：3~7" WC(6~17mbar) 5~10"WC(12~25mbar) 9.25~13" WC(23~32mbar) 10"WC~1 psig (25~69mbar)

WZA-SJ 温控器 WZA-SJ ImmersionThermostat





产品特点 Features

WZA-SJ 能量调节器，额定电压250V，额定电流16A，适用于西厨设备,塑料机械用时间比例式温控器。
WZA-SJ Simmerstat with rated voltage 250V and rated current 16A is a time proportion thermostat applicable for Catering equipment and plastic machinery.

产品型号及参数 Product Model And Parameter

型号 Model	75° 输出 Out put at 75°	243° 输出 Out put at 243°	满负荷 Full
WZA-SJ	1-9%	50-80%	+

WZA-ST 系列
温度表
Capillary Thermometer Series



WZA-ST 温度表系列 WZA-ST Capillary Thermometer Series



WZA-ST/2



WZA-ST/4



WZA-ST/5



WZA-ST/8



WZA-ST/9



WZA-ST/10



WZA-ST/11



WZA-ST/3



WZA-ST/7

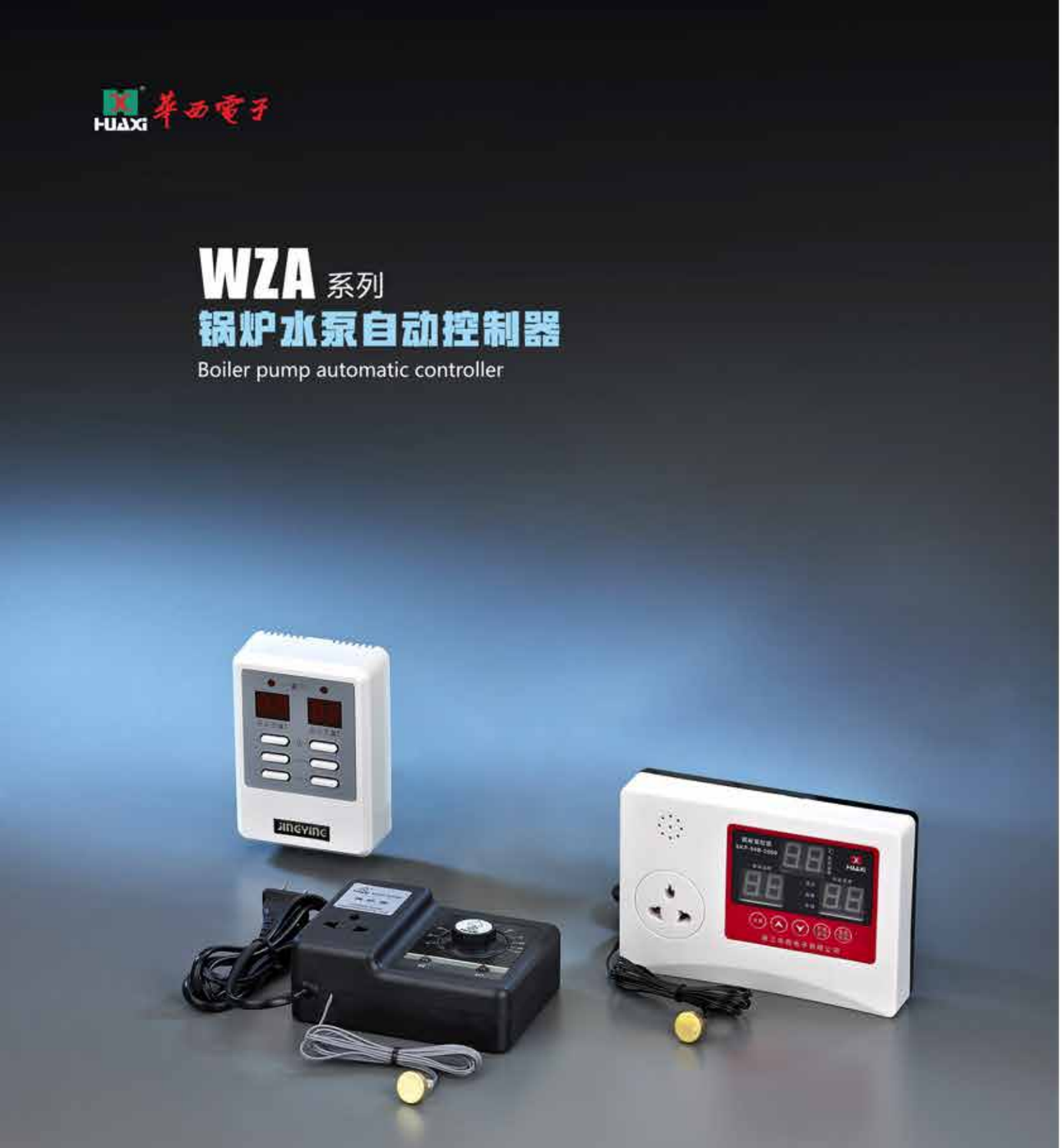
产品特点 Features

WZA-ST 温度表适用于不锈钢开水器及其它加热器的温度指示表。
WZA-ST Thermometer is applicable for indicating the temperature of stainless steel boiled water device and other heaters.

产品型号及参数 Product Model And Parameter

型号 Model	温度范围(℃) Temperature control scope	温控精度 Temperature control precision	备注 Notes
WZA-ST/1	20-10	±3℃	最高允许温度：120~600℃ 感温部分：120~600℃ 主体部分：60/120℃ Maxtemperature:120~600℃ Temperture sensing part:120~600℃ Bodty:60/120℃
WZA-ST/2	±40/0-120	±3℃	
WZA-ST/3	±40/0-120	±3℃	
WZA-ST/4	±40/0-120	±3℃	
WZA-ST/5	0-350	±5℃	
WZA-ST/7	20-120	±3℃	
WZA-ST/8	0-350	±5℃	
WZA-ST/9	0-500	±10℃	
WZA-ST/10	0-500	±10℃	
WZA-ST/11	0-600	±10℃	

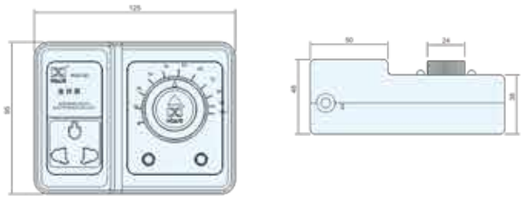
WZA 系列
锅炉水泵自动控制器
Boiler pump automatic controller



WZA-SK 锅炉水泵自动控制器 WZA-SK Boiler Water Pump Automatic Controller

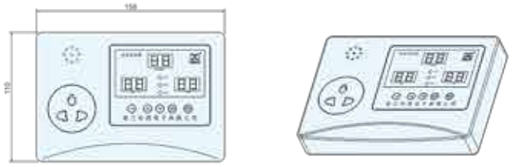


WZA-SK





SKP-04





SKP-11S



产品特点 Features

WZA-SK 系列锅炉水泵自动控制器是我公司最新研制的新型电子式锅炉水泵自动温度控制器。
WZA-SK Series boiler and water pump automatic controller is new style electronic formula automatic thermostats developed by our company.

产品型号及参数 Product Model And Parameter

型号 Model	工作电压 Working voltage	负载功率 Load Power	工作范围 Temperture Range	控温精度 Precision	控制模式 Control mode	待机功耗 Standby power	输出接口 Output Connection	外观尺寸 Appearance size
WZA-SK	AC220V	0.75-7.5KW	0-100℃	±3	高温启动Work at high temp 低温启动Work at low temp	≤3	插座口 Socket outlet	96x126x48

THV 系列
浮球控制器
Float ball controller



THV-1/2/3 浮球控制器 THV-1/2/3 Float Switch



THV-1



THV-2



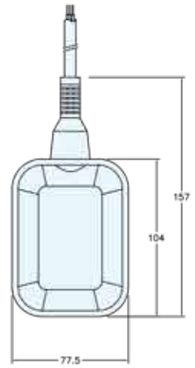
THV-3

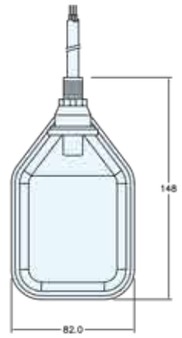
● 产品特点 Features

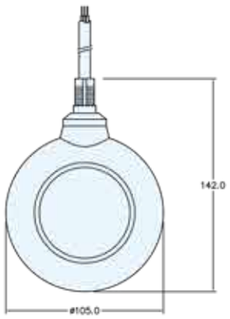
THV浮球控制器是一个能够调节桶、槽或井中液位开关，它可自动调节，易于操作、便于安装，安全可靠、免于维修、无毒环保。它对污水有抵抗作用。广泛应用于家庭、厂矿等的水池、油、弱酸和弱碱的池。桶、槽、罐等的容器之中，如串联两个控制器，即一个放到水池另一个放至水井来控制水泵，就能防止因水源不足开空泵而损坏水泵设备；也可以三个控制器串联，一个放至水塔一个放至过滤池和一个放至河水（水井）能同时控制两台水泵设备。

THVfloat switch is a switch to adjust the barrel,tank or well level switch,it can automatically adjust,easy to operate and install, safe and reliable,free maintenance,non-toxic environmental protection. It has a resistance to sewage,widely used in the families,factories and mines of the pool,oil,weak acid and weak base of the pool,barrels,tanks,cans and other containers.Such as a series of two controllers, that is,one into the pool,another control the pump in the well,you can prevent the water shortage due to open the pump and damage the pump equipment can also be three controllers in series,one into the water tower,a put into the filter pool and one to the river (water well) can simultaneously control two water pumps.

● 安装尺寸与外形尺寸 Mounting and Appearance Dimensions







● 产品型号及参数 Product Model And Parameter

型号 Model	工作电压 Working voltage	额定电流 Rated current	使用温度 Working temperature	控制范围 Control range	工作寿命 Electrical endurance	引线长度 Length for wire	最大工作压力 Max.work pressure	极限分断能力 Ultimate breaking capability
THV-1	250-380V	8-4A	0≤180℃	≥0.2M	≥50000	1M 2M 3M 4M 5M 6M 7M 8M 10M	1帕斯卡	250V,1KW直流电压
THV-2	250-380V	8-4A	0≤180℃	≥0.2M	≥50000		1帕斯卡	250V,1KW直流电压
THV-3	250-380V	8-4A	0≤180℃	≥0.2M	≥50000		1帕斯卡	250V,1KW直流电压

热水循环控制系统

Hot water circulation control system



HX-6S/9S 热水循环控制系统 HX-6S/9S Intelligent Hot Water Circulation System



HX-6S

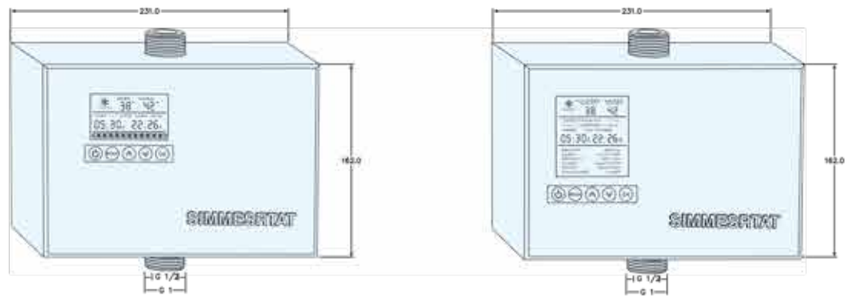


HX-9S

产品特点 Features

1.微电脑智能控制，开启水龙头时迅速升温，无需等待和冷水浪费。
2.具备水控，温控和定时控制功能，遥控可配置。
3.水压不够时能起到增压作用,燃气热水器照样启动。
4.具备消毒、除垢等功能，保护您的健康，延长管路寿命。
5.适用于电热水器，燃气热水器，空气能和太阳能热水器。
1.Microcomputer smart control, get warm water quickly when open water tap,no waiting and cold water wasting.
2.With these functions of water control, temperature control and timing control. Remote control can be configured.
3.Play the role of pressurization when the water pressure is not enough, the same for gas water heater as well.
4.With these functions of disinfection, cleaning and protecting your health,and even extending the life of the pipeline.
5.Suitable for electric water heaters, gas water heaters, air and solar water heaters.

安装尺寸与外形尺寸 Mounting and Appearance Dimensions



产品型号及参数 Product Model And Parameter

型号 Model	工作电压 Working voltage	水泵功率 Pump Power	适用水压 Applicable pressure	遥控功能 Remote control	螺纹接口 Thread Interface	外观尺寸 Appearance size
HX-6S	220V AC	160W	80-500kpa	无 No	1寸	230x110x160
HX-6S	220V AC	160W	80-500kpa	有Yes	1寸	230x110x160
HX-9S	220V AC	190W	80-500kpa	无 No	1寸	230x110x160
HX-9S	220V AC	190W	80-500kpa	有Yes	1寸	230x110x160

HX60/70/80 系列
采暖炉控制器
Heating Boiler Controller Series



HX60-E LED采暖炉控制器 HX60-E LED Electric Heating Boiler Controller

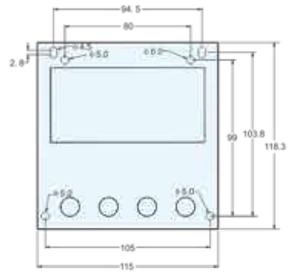


产品特点 Features

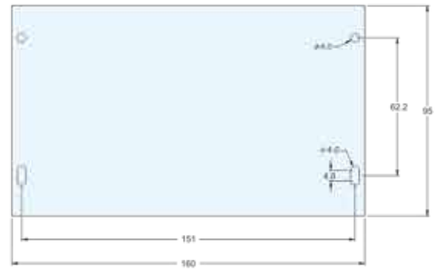
1、彩色LED显示 4、自动热水循环 7、漏电保护 10、遥控功能
2、触摸式按键 5、八段定时，分段设定水温 8、防干烧保护 11、WIFI控制
3、智能温控 6、三档加热 9、超温保护 12、智能变档、节能保温

1.color LED display 2.touch button 3.intelligent temperature control 4.automatic hot water circulation
5.Eight-stage timing, set the water temperature in sections 6.Third gear heating 7.Leakage protection 8. Anti-dry burn protection
9.over temperature protection 10.remote control 11.WiFi control 12.intelligent shift, energy saving and thermal insulation

安装尺寸与外形尺寸 Mounting and Appearance Dimensions



LED显示板



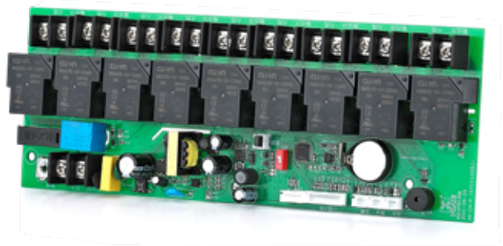
控制板

产品型号及参数 Product type And Parameter

产品型号 Product type		HX60-E	HX60-EF	HX600-EF	HX601-EF	HX602-EF
供电电压 supply power		165~275V	165~275V	165~275V	165~275V	165~275V
加热停止温度 Heating Stop temperature		20~85℃	20~85℃	20~85℃	20~85℃	20~85℃
加热启动回差 Heating Start up. return difference		5~20℃	5~20℃	5~20℃	5~20℃	5~20℃
加热档位 heating gear		1~3档	1~3档	1~3档	1~3档	1~3档
循环水控制温度 circulating water control temperature		10~60℃	10~60℃	10~60℃	10~60℃	10~60℃
室温控制温度 room temperature control		10~35℃	10~35℃	10~35℃	10~35℃	10~35℃
定时段数 number of time periods		8段	8段	8段	8段	8段
漏电保护 Leakage Protection		有	有	有	有	有
防冻 freeze-proofing		有	有	有	有	有
防干烧 Anti-dry burning		有	有	有	有	有
超温保护 over temperature protection		有	有	有	有	有
遥控器 remote control		有	有	有	有	有
WIFI功能 wifi function		无	有	有	有	有
负载电压 load voltage	220V	通用				
	380V					
负载数量 load quantity	主机 Host	3个	3个	3个	3个	3个
	无源扩展板 Passive expansion board	无	无	≥1个	≥1个	≥1个
	有源扩展板 Active expansion board	无	无	无	≥2个	≥2个

HX60-E9 PTC采暖炉控制器 HX60-E9 PTC Electric Heating Boiler Controller



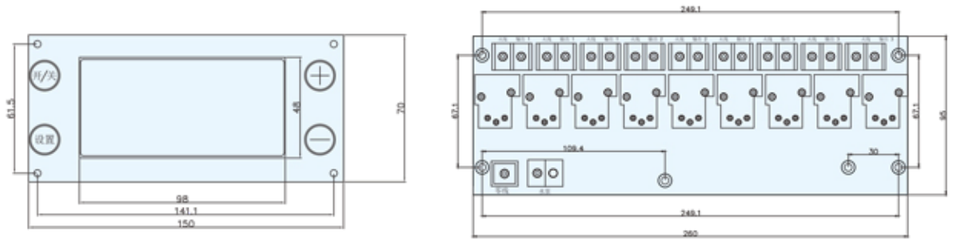


产品特点 Features

1、彩色LED显示
2、触摸式按键
3、智能温控
4、自动热水循环
5、八段定时，分段设定水温
6、三档加热
7、漏电保护
8、防干烧保护
9、超温保护
10、遥控功能
11、WIFI控制
12、智能变档、节能保温
13、继电器输出,专为PTC设计

1.color LED display 2.touch button 3.intelligent temperature control 4.automatic hot water circulation
5.Eight-stage timing, set the water temperature in sections 6.third gear heating 7.Leakage protection 8. Anti-dry burn protection
9.over temperature protection 10.remote control 11.WiFi control 12.intelligent shift, energy saving and thermal insulation
13. Relay output, specially designed for PTC

安装尺寸与外形尺寸 Mounting and Appearance Dimensions



产品型号及参数 Product Model And Parameter

产品型号 Product type		HX60-E9	HX60-E9F
供电电压 supply power		165-275V	165-275V
加热停止温度 Heating Stop temperature		20-85℃	20-85℃
加热启动回差 Heating Start up return difference		5-20℃	5-20℃
加热档位 heating gear		1-3档	1-3档
循环水控制温度 circulating water control temperature		10-60℃	10-60℃
室温控制温度 room temperature control		10-35℃	10-35℃
定时段数 number of time periods		8段	8段
漏电保护 Leakage Protection		有	有
防冻 freeze-proofing		有	有
防干烧 Anti-dry burning		有	有
超温保护 over temperature protection		有	有
遥控器 remote control		有	有
WIFI功能 wifi function		无	有
负载电压 load voltage	220V	通用	
	380V		
负载数量 load quantity		9个	9个

HX60-C LCD采暖炉控制器 HX60-C LCD Electric Heating Boiler Controller





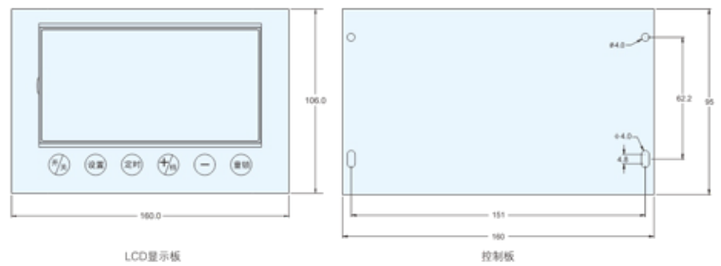


产品特点 Features

1、彩色液晶显示/单色液晶显示
2、触摸式按键
3、智能温控
4、自动热水循环
5、回水控制
6、增加室温控制模式，更舒适
7、三档加热
8、八段定时，分段设定水温
9、漏电保护
10、防干烧保护
11、超温保护
12、遥控功能
13、WIFI控制
14、智能变档、节能保温

1.color LED display / Monochrome LCD display 2.touch button 3.intelligent temperature control 4.automatic hot water circulation
5.Return water control 6. dd room temperature control mode for more comfort 7. third gear heating
8.Eight-stage timing, set the water temperature in sections 9.Leakage protection 10. Anti-dry burn protection
11.over temperature protection 12.remote control 13.WiFi control 14.intelligent shift, energy saving and thermal insulation

安装尺寸与外形尺寸 Mounting and Appearance Dimensions



产品型号及参数 Product type And Parameter

产品型号 Product type		HX60-C	HX60-CF	HX600-CF	HX601-CF	HX602-CF
供电电压 supply power		165-275V	165-275V	165-275V	165-275V	165-275V
加热停止温度 Heating Stop temperature		20-85℃	20-85℃	20-85℃	20-85℃	20-85℃
加热启动回差 Heating Start up return difference		5-20℃	5-20℃	5-20℃	5-20℃	5-20℃
加热档位 heating gear		1-3档	1-3档	1-3档	1-3档	1-3档
循环水控制温度 circulating water control temperature		10-60℃	10-60℃	10-60℃	10-60℃	10-60℃
室温控制温度 room temperature control		10-35℃	10-35℃	10-35℃	10-35℃	10-35℃
定时段数 number of time periods		8段	8段	8段	8段	8段
漏电保护 Leakage Protection		有	有	有	有	有
防冻 freeze-proofing		有	有	有	有	有
防干烧 Anti-dry burning		有	有	有	有	有
超温保护 over temperature protection		有	有	有	有	有
遥控器 remote control		有	有	有	有	有
WIFI功能 wifi function		无	有	有	有	有
负载电压 load voltage	220V	通用				
	380V					
负载数量 load quantity	主机	3个	3个	3个	3个	3个
	无源扩展板	无	无	≥1个	≥1个	≥1个
	有源扩展板	无	无	无	≥2个	≥2个

标准配件 Standard accessories



防干烧温控器
Anti-dry burn thermostat



漏电互感器
Leakage transformer



水位探头线
water level probe line



温度传感器
Temperature Sensor



数据线
data line



遥控器
remote control



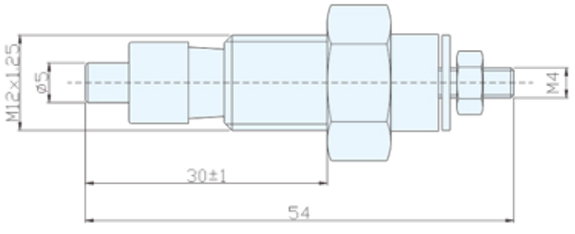
电源连接片
power connector



WiFi无线模块
wifi wireless module



水位探头
water level probe

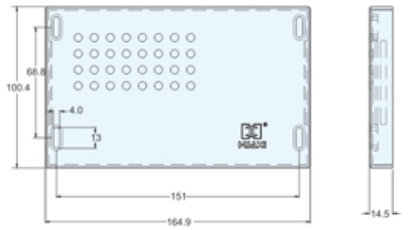


水位探头尺寸图
water level probe Dimension Diagram

可选配件 Optional accessories



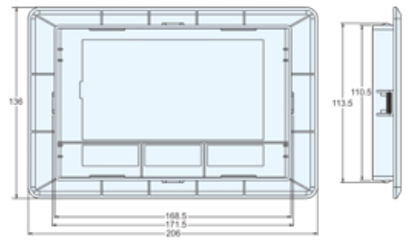
控制板塑壳 Control panel plastic case



尺寸图 Dimension Diagram



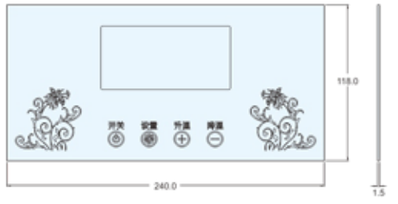
塑料面板+标牌 plastic panel + label



尺寸图 Dimension Diagram



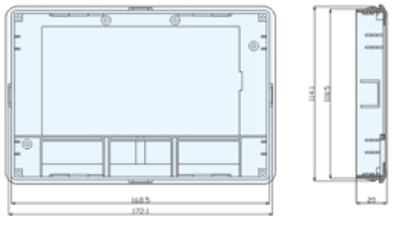
印花PVC面板 Printed PVC Panel



尺寸图 Dimension Diagram

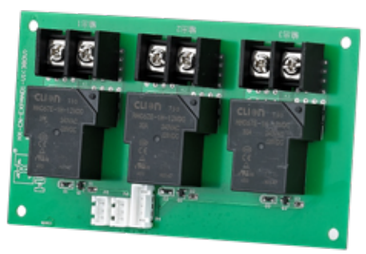


印花PVC面板（新配色） Printed PVC Panel （new color）

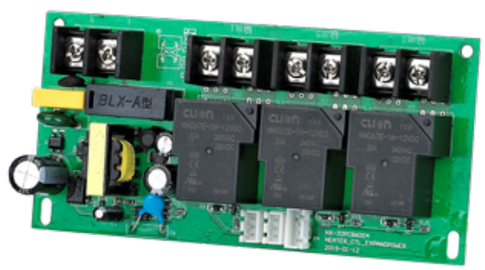


尺寸图 Dimension Diagram

扩展板 Extension board



无源扩展板 Passive expansion board



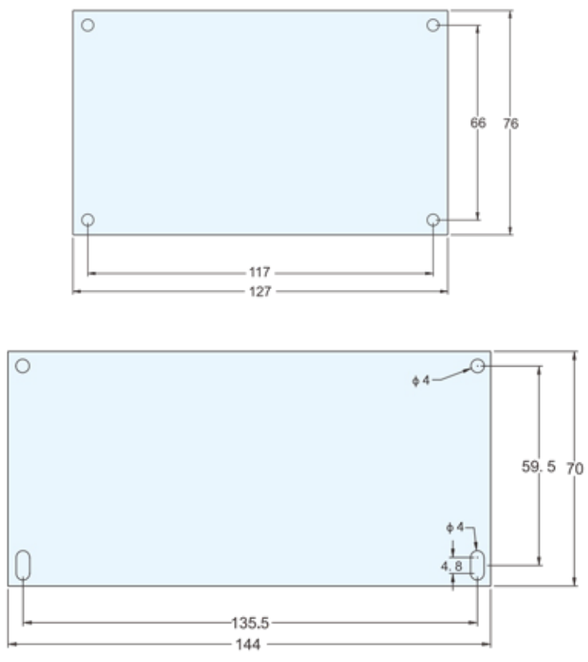
有源扩展板 Active expansion board

产品特点 Features

用于提升负载容量，可增加负载（加热器）数量3个

Improve the load capacity, increase load (heaters) 3 pieces.

安装尺寸与外形尺寸 Mounting and Appearance Dimensions



HX60-CS PTC辅助太阳能采暖控制器 HX60-CS PTC Solar assisted heating Controller



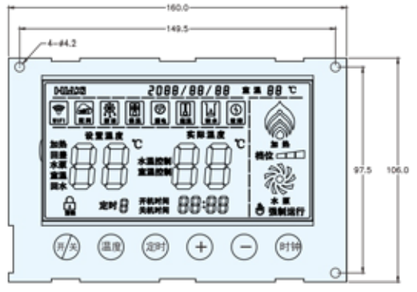


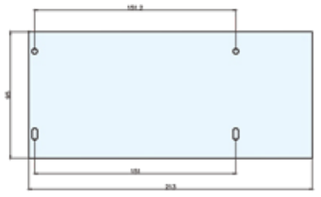
产品特点 Features

PTC辅助太阳能，以弥补太阳能温度不足的缺陷。上电开机后，当太阳能的水温高于设定温度时，取暖循环水的由太阳能供热，关闭PTC加热器。当太阳能的水温降到设定温度以下时，取暖循环水的由PTC加热器供热，此时PTC加热器开启加热。当太阳能供水且室温高于设定值时，关闭水泵。以达到节能减排作用。

PTC assists solar energy to compensate for insufficient solar temperature. After the power is turned on, when the water temperature of the solar energy is higher than the set temperature, the heating circulating water is heated by the solar energy, then turn off the PTC heater. When the solar water temperature drops below the set temperature, the heating circulating water is turned on by the PTC heater. When the solar water supply and the room temperature is higher than the set value, turn off the water pump to achieve energy saving and emission reduction.

安装尺寸与外形尺寸 Mounting and Appearance Dimensions





产品型号及参数 Product Model And Parameter

产品型号 Product type		HX60-CS	HX60-CSF
供电电压 supply power		165-275V	165-275V
加热停止温度 Heating Stop temperature		20-85℃	20-85℃
加热启动回差 Heating Start up return difference		5-20℃	5-20℃
加热档位 heating gear		1-3档	1-3档
循环水控制温度 circulating water control temperature		10-60℃	10-60℃
室温控制温度 room temperature control		10-35℃	10-35℃
定时段数 number of time periods		8段	8段
漏电保护 Leakage Protection		有	有
防冻 freeze-proofing		有	有
防干烧 Anti-dry burning		有	有
超温保护 over temperature protection		有	有
遥控器 remote control		有	有
WIFI功能 wifi function		无	有
负载电压 load voltage	220V	通用	
	380V		
负载数量 load quantity	主机	3个	3个

HX-70E 醇基（油类）燃料采暖炉控制器 HX-70E Alcohol Fuel Heating Boiler Controller



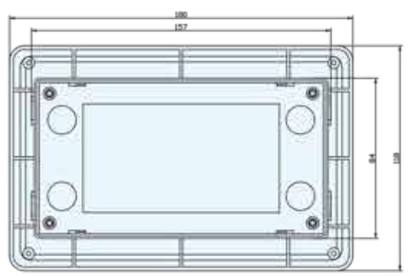
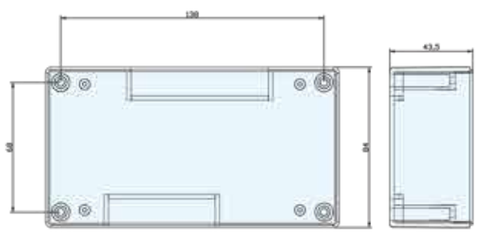


产品特点 Features

功能概述：该系统以醇基（油类）燃料为能源，集成采暖功能且一体安装。主要控制输出接口5个：点火、供油、风机、水泵。
采暖功能：
水温控制：温度范围20-85℃，开炉温度和停炉温度可调
水泵控制：循环泵启动温度35℃。
定时功能：共有8段定时功能。
超温保护：当水温超过85℃时，保护停机。
回水温度保护：当回水温度和出水温度温差高于设定度，保护停机。
防冻功能：控制器在通电情况下，默认启动，当水温低于默认防冻温度时，自动开启防冻功能。
漏电保护功能：当检测到漏电电流大于25mA时，切断电源。
温度传感器损坏保护：当温度传感信号超出常规（短路或开路）时，保护停机。
熄火保护功能：当意外熄火时，保护停机。
燃料液位探测功能：根据超声波探头实时检测燃料液位余量。
产品可选配WIFI,NB-IoT功能。

1.Function Summary: The system uses alcohol-based fuel as energy, integrated heating function and integrated installation. There are five main control output interfaces: ignition, oil supply (oil pump, solenoid valve), fan, water pump.
2.Heating function
1）Water temperature: temperature range 20-85℃, boiler start and boiler stop are adjustable.
2）Water pump control: start the circulating pump temperature 35℃.
3）Timing function: total 8 stages timing functions.
4）Over temperature protection: When the water temperature exceeds 85℃, protection downtime.
5）Return water temperature protection: When the difference between the return water temperature and the outlet water temperature is higher than the set degree, protection downtime.
6）Freeze-proofing function: When the controller is powered on, it starts by default. When the return water temperature is lower than the set temperature, the freeze proofing function is automatically turned on.
7）Leakage protection function: When detect the leakage current is more than 25mA, cut off the power.
8）Temperature sensor damage protection：When the temperature sensing signal exceeds the normal (short circuit or open circuit), protection downtime.
9）Flame out protection function: Protection downtime in case of accidental flame out.
10）Fuel level detection function: Real-time detection of fuel level remaining according to ultrasonic probe.
11）The product can be equipped with WIFI, NB-LOT function.

安装尺寸与外形尺寸 Mounting and Appearance Dimensions

HX80-C 踢脚线电暖器/简易电采暖炉控制器 HX80-C Baseboard electric heating/Simple electric heating boiler controller

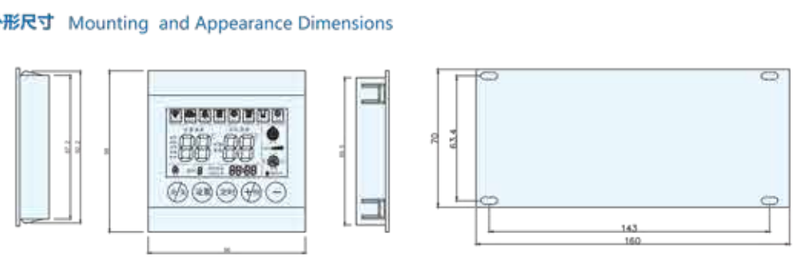


产品特点 Features

1、液晶显示
2、触摸式按键
3、智能温控
4、遥控功能
5、电暖/电锅炉采暖
6、空气净化、负氧离子
7、风机控制
8、三档加热
9、漏电保护
10、防干烧保护
11、超温保护
12、WIFI控制
13、智能变档、节能保温
14、八段定时，分段设定水温

1.LCD display 2. touch button 3. intelligent temperature control 4. remote control 5. Electric heating/Electric boiler heating
6.Air purification, negative oxygen ions 7.Fan control 8.third gear heating 9.leakage protection 10.Anti-dry burn protection
11. over temperature protection 12 wifi control 13.intelligent shift, energy saving and thermal insulation
14.Eight-stage timing, set the water temperature in sections

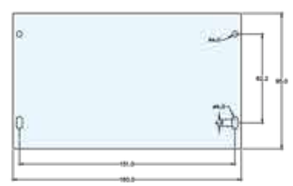
安装尺寸与外形尺寸 Mounting and Appearance Dimensions



HX-70C 电磁采暖炉控制器 HX-70C Electromagnetic Heating Boiler Controller




安装尺寸与外形尺寸 Mounting and Appearance Dimensions

电采暖控制云平台控制版 Electric heating control cloud platform control edition



产品特点 Features

功能概述：该系统为电阻式/PTC半导体式加热管的加热采暖设备
水温控制：自定义加热温度，范围20-85℃，加热温度回差温度可调
水泵控制：自定义循环泵启动温度，默认25 ℃。（电阻式适用）
定时功能：8段定时功能，时间段、温度可设定。
超温保护：当水温超过85℃时，保护停机。
回水温度保护：当回水温度和出水温度温差高于设定度，保护停机。
防冻功能：控制器在通电情况下，默认启动，当水温低于5℃时，自动开启防冻功能。
漏电保护功能：当检测到漏电电流大于25mA时，切断电源。
温度传感器损坏保护：当温度传感信号超出常规（短路或开路）时，保护停机。
物联网控制：产品可使用多种模块入网，WIFI、NB-IoT可选，皆可接入云平台。

Function summary：The system includes resistive and PTC semiconductor heating pipes for heating equipment.
Water temperature control：Custom heating temperature, range 20-85 ℃.
Water pump control：Customize the start up temperature of the circulating pump, the default is 25° C (resistance type is applicable) .
Timing function：8-stage timing function, time period, temperature can be set.
Over temperature protection：When the water temperature exceeds 85 ℃, the protection downtime.
Return water temperature protection：When the difference between the return water temperature and the outlet water temperature is higher than the set degree, protection downtime.
Freeze-proofing function：When the controller is powered on, it starts by default. When the water temperature is lower than the set temperature 5℃ , the freeze proofing function is automatically turned on.
Leakage protection function：When detect the leakage current is more than 25mA, cut off the power.
Temperature sensor damage protection：When the temperature sensing signal exceeds the normal (short circuit or open circuit), protection downtime.
Logistics network control：The product can use multiple modules to access the network, WIFI, NB-LOT optional, all can be connected to the cloud platform.

产品优点 Advantages

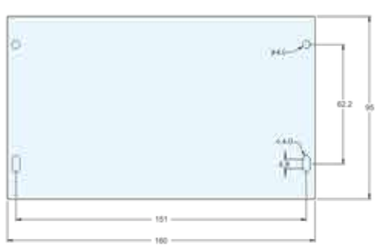
可用NB-IoT联网，无WIFI路由器也能在手机上控制，随装随用，适用于各种环境。本产品液晶显示屏为单片机单独控制，串口传输显示数据，能有效的屏蔽大功率设备对产品的干扰，使用更加稳定。

Use NB-LoT Internet, no WIFI router can also be controlled on the mobile phone, ready to use, suitable for various environments. The LCD of this product is controlled by a single chip, and the serial port transmits display data, which can effectively shield the interference of high-power equipment to the product, and we use them are more stable.

安装尺寸与外形尺寸 Mounting and Appearance Dimensions



LCD显示板



控制板

SaaS新能源后台控制系统 SaaS new energy background control system



数据大盘 Data Market

在大盘上可以查看帐号下所有设备分布、激活、在线情况，通过这些信息可以更好的了解市场上用户分布和使用情况。

On the market, you can view the distribution, activation, and online status of all devices under your account. Through this information, you can better understand the distribution and usage of users in the market.

用户管理 User management

具备用子帐号与经销商管理。

1、通过经销商管理功能可以维护旗下的销售商，按需设定他们的销售地区，如果停止合作后，可以停用相应帐号。
2、可以设定多个子帐号，赋予相应的权限，子帐号可以提供给维护人员使用。

With sub-account and dealer management
1.Through the dealer management function, you can maintain your dealers and set their sales areas on demanded . If you stop cooperation, you can deactivate the corresponding account.
2.You can set up multiple sub-accounts and give corresponding permissions, and the sub-accounts can be provided to maintenance personnel.

移动端用户管理 Mobile user management

可以查看用户帐号的具体设备，了解APP的使用情况。

You can view the specific device of the user account, so that you understand the usage of the APP.



设备管理 Device management

1、设备列表，查看设备激活数据，产品的型号、名称及具体的模块序列号，进入详细情况还有可查看当前设备的运行情况。
2、设备控制，查询具备设备，针对于不能正常回款的设备进行远程锁定，也可远程解锁操作。
3、设备维护 查看所有设备历史故障列表、维护后添加故障处理记录，查询具体的设备售后维护记录。

1.Device list, view device activation data, product model, name, and specific module serial number, enter the details and view the current device operation.
2.Device control, check the available devices, remotely lock and unlock devices that cannot be paid normally.
3.Equipment maintenance, check the all equipments historical fault list , paste the fault handling records after maintenance, and query the specific equipment after-sales maintenance records.

系统日志 System log

记录用户的操作记录，通过系统日志可以追溯错误的操作。

Record the user's operation record, and the wrong operation can be traced through the system log.