



Brief Introdrction

located in Xiamen Hi-tech Soft Park, is a high-tech enterprise integrating with research, production and selling, specializing in manufacturing Central Air Condition Control products, Heating Control products and Building Automation products. Our company not only provides cost-effective products for customers, but also ideal system solution for all kinds of Automation and HVAC Engineering project, and become one of automation-control companies with the strongest comprehensive strength. Company attends Germany IKK, America AHR, Asia Refrigeration & Air-conditioning exhibition and other kinds of international trade fairs every year. It is the member of China Refrigeration Association, China Floor Heating Association, and was named 'China Top Ten Best New Company in HVAC Field', 'Top 100 Enterprises of China Refrigeration' and 'Xiamen Faithful Enterprise'. Products used in main buildings of Beijing Olympic Games, company has more than twenty national patents, several automatic control software gain copyright registration certificate from Software Industry Association, and our branch company has got 'double-soft enterprise' certification. Product market share is in the front row of the same industry.

Our main products: Thermostat, Motorized Zone Valve, Electric Modulating Valve, Damper Actuator, Balancing Valve, Temperature Sensor and Radiator Valve.

Elsonic has powerful research foundation, excellent experiment environment, precise testing and good manufacturing bases. Our Industry Garden covers 28

Acres with a total construction area of 15280 square Acres with a total construction area of 15280 square meters. We own more than RMB 40,000,000 net asset and 500 staffs. Elsonic has advanced automatic production lines and thermostat research laboratory, and obtained the Certificates of ISO9001:2000. And our thermostats got the certificates of CE, RoHS, UL, CCEE and so on. Now, we have yearly capacity of 5,000,000 pcs of Thermostats, 400,000 sets of Motorized Valve, 20,000 sets of Electro-thermal Actuator, 100,000 sets of separator and etc, and

Elsonic has outstanding technical talent and well-trained producing staffs, and wins the trust of customers with our dedicated service. Now We have extended our business range throughout the whole China and some countries overseas, including Europe, USA, Middle East, South America and Asia. Elsonic will keep taking active part in industrial competition with honest and pragmatic enterprise spirit, technical innovation, operation innovation, strong financial capacity and human resources, and continue to maintain the domestic leading position of researching and producing HVAC Automation Controll products. Welcome to discuss about OEM/ODM and Agency cooperation issues.

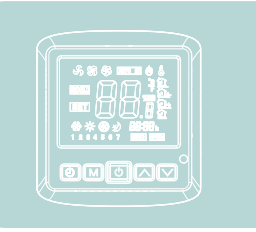


As a professional HVAC Temperature Control manufacturer,
We devote to create the most comfortable environment

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2013 PRODUCT CATALOGUE

-  HVAC Automation Control Products
-  Energy-saving Control Products for Heating
-  Comprehensive Water Pressure Balance Products
-  Building Automation Control Products
-  Central airconditioning billing monitoring system



HVAC Automation Control Products

FCU Thermostat Series

FCU Thermostat is used to control temperature in the industry, commercial and household. By comparing room temperature with setpoint, it can control Fan Coil Unit, Motorized Valve, Motorized Ball Valve or Damper to reach comfortable room temperature and meet the purpose of energy saving. It applies to air-conditioning 2-pipe/4-pipe configuration water system or ventilation system.


 <p>AC210 Touch Screen Thermostat • Sensor: NTC • Temperature Accuracy: ± 1°C • Voltage: AC100 ~ 240V, 50/60Hz • Power Consumption: < 1.5W</p>	 <p>AC206 Touch Screen Thermostat • Sensor: NTC • Temperature Accuracy: ± 1°C • Voltage: AC220V ± 10%, 50/60Hz • Power Consumption: < 1.5W</p>	 <p>AC215 Touch Screen Thermostat • Sensor: NTC • Temperature Range: 10°C ~ 30°C • Voltage: AC100 ~ 240V, 50/60Hz • Power Consumption: < 1.5W</p>	 <p>AC212 Series LCD Thermostat • Sensor: NTC • Temperature Range: 10°C ~ 30°C • Voltage: AC100 ~ 240V, 50/60Hz • Power Consumption: < 1.5W</p>	 <p>AC811 Series LCD Thermostat • Sensor: NTC • Temperature Accuracy: ± 1°C • Voltage: AC100 ~ 240V, 50/60Hz • Power Consumption: < 1.5W</p>
 <p>AC810 Series LCD Thermostat • Sensor: NTC • Temperature Accuracy: ± 1°C • Voltage: AC100 ~ 240V, 50/60Hz • Power Consumption: < 1.5W</p>	 <p>AC813 Series LCD Thermostat • Sensor: NTC • Temperature Accuracy: ± 1°C • Voltage: AC100 ~ 240V, 50/60Hz • Power Consumption: < 1.5W</p>	 <p>AC808 Series LCD Thermostat • Sensor: NTC • Temperature Accuracy: ± 1°C • Voltage: AC220V ± 10%, 50/60Hz • Power Consumption: < 1.5W</p>	 <p>AC803 Series LCD Thermostat • Sensor: NTC • Temperature Accuracy: ± 1°C • Voltage: AC220V ± 10%, 50/60Hz • Power Consumption: < 1.5W</p>	 <p>AC806 Series LCD Thermostat • Sensor: NTC • Temperature Accuracy: ± 1°C • Voltage: AC220V ± 10%, 50/60Hz • Power Consumption: < 1.5W</p>
 <p>AC209 Series LCD Thermostat • Sensor: mechanical charging bellow • Voltage: AC220V ± 10%, 50/60Hz • Load Current: 1A(Inductive Load) 2A(Resistive Load)</p>	 <p>AC205 Wireless Thermostat • Sensor: NTC • Temperature Accuracy: ± 0.5°C • Voltage: 2 × AA Alkaline Batteries • Power Consumption: < 1.5W</p>	 <p>AC809 Remote-controller Thermostat • Sensor: NTC • Temperature Range: 10°C ~ 30°C • Voltage: AC220V ± 10%, 50/60Hz • Power Consumption: < 1.5W</p>	 <p>AC801C Electronic Thermostat • Sensor: NTC • Temperature Accuracy: ± 1°C • Voltage: AC220V ± 10%, 50/60Hz • Power Consumption: < 1.5W</p>	 <p>AC801A Mechanical Thermostat • Sensor: mechanical charging bellow • Voltage: AC220V ± 10%, 50/60Hz • Load Current: 1A(Inductive Load) 2A(Resistive Load)</p>
 <p>AC206 Series LCD Thermostat • Sensor: NTC • Temperature Accuracy: ± 1°C • Voltage: 24VAC or 220VAC • Power Consumption: < 1.5W</p>	 <p>AC315 Series Linear Controller • Sensor: NTC • Power Consumption: ≤ 1W • Materials: PC+ABS anti-fire • Power: 10 ~ 16V</p>	 <p>T6000 Mechanical Thermostat • Sensor: mechanical charging bellow • Accuracy: ± 1°C • Voltage: AC220V ± 10%, 50/60Hz • Output Power: AC220 3A</p>	 <p>AS101 Three Speed Switch • Indicator: Knob switch with light • Accuracy: ± 1°C • Voltage: AC220V, 50/60Hz • Rated Current: 2A</p>	 <p>AS102 Three Speed Switch • Indicator: Knob switch with green display • Thermostat Contact: More than 150000 times • Voltage: AC220V, 50/60Hz • Power Consumption: < 1.5W</p>



HVAC Automation Control Products


Valve Series






V2016 Stainless Motorized Valve

- Valve Body: Forged Brass
- Sealing Material: Nitrile-butadiene rubber
- Drive Chassis: Stainless Steel
- Drive Cover: Aluminum alloy




V4016 Three-line Motorized Valve

- Rated Voltage: AC220V, 110V, 24V
- Power: 6W
- Drive Mode: Bi-directional reversible motor
- Liquid Temperature: 1 ~ 95°C




V6016 Switch-Mode Motorized Valve

- Valve Body: Forged Brass
- Power: 7W
- Drive: single direction reversible motor drive
- Liquid Temperature: 2 ~ 94°C




V8016 Three-line Motorized Valve

- Valve Body: Forged Brass
- Liquid Temperature: 2 ~ 95°C
- Voltage: AC220V, 50/60Hz
- Pressure: < 2.5MPa




DV220 Motorized Ball Valve

- Control Characteristic: Motor-driven return
- Motor: Bi-directional synchronous motor
- Running Time: 15s(on - off)
- Nominal Pressure: 1.6MPa




DV310 Motorized Ball Valve

- AC voltage bi-directional synchronous motor
- Adapt to the ball valve DN15 ~ 150
- Built-in switch with 10°C adjustable precision
- Provide DOO - 10V feedback signal output




TD/TA Motorized Ball Valve

- Output torque: 10 Nm
- Voltage: AC220 or AC/DC24V
- Overload Protection: automatic protection
- Protection Level: IP54




TF...DV Motorized Butterfly Valve

- Medium Temperature: -10°C ~ +100°C
- Rated Voltage: 1600KPa (PN16)
- Operating Power Consumption: 30 ~ 150VA
- Voltage: AC220V or AC380V



VB3000 Series Copper Valve

- Medium Temperature: -10 ~ +100°C
- Diameter: DN15 ~ DN65
- Flow Coefficient: 10KV ~ 63KV
- Pressure: 16Bar




VB7000 Series Iron Cast Valve

- Medium Temperature: -10°C ~ +180°C
- Diameter: DN80 ~ DN200
- Flow Coefficient: 100KV ~ 360KV
- Pressure: 16Bar




Comprehensive Water Pressure Balance Products

Company dedicate to researching and manufacturing energy-saving valve of high technical in flow and pressure control, and is professional in researching hydraulic regime analysis and applied technology of differential pressure regulating valve. Product Series includes Static Balancing Valve, Dynamic Balancing Valve, Two-way Dynamic Balancing Valve, Self-operated Flow Control Valve, etc.




ELVA Static Balancing Valve

- Diameter: DN20 ~ DN50
- Connection: Thread DIN2999
- Max Work Pressure: PN16
- Fluid Error: ± 5%




ELVA Static Balancing Valve

- Diameter: DN65 ~ DN150
- Connection: Thread DIN2999
- Nominal Pressure: 16Bar/25Bar
- Fluid Error: ± 5%




ELVB Dynamic Flux Balancing Valve

- Diameter: DN50 ~ DN200
- Nominal Pressure: 16Bar/25Bar
- Fluid Error: ± 5%
- Work Temperature: 0 ~ 120°C



ELVCA Static Motorized Balancing Valve

- Diameter: DN20
- Work Pressure: PN16
- Fluid Error: 5%
- Differential shut-off pressure: 4Bar




ELVCB Dynamic Motorized Balancing Valve

- Diameter: DN20
- Work Pressure: PN16
- Fluid Error: 5%
- Differential shut-off pressure: 4Bar




ELVDA Dynamic Motorized Balancing Valve

- Diameter: DN32 ~ DN150
- Work Pressure: PN16
- Fluid Error: ± 5%
- Protection Grade: IP67




ELVDB Dynamic Modulating Balancing Valve

- Diameter: DN50 ~ DN200
- Work Pressure: PN16
- Fluid Error: ≤ 5%
- Valve Body: Gray Iron Casting



ZLF Self-operated Flow Control Valve

- Max Temperature: 100°C
- Nominal Pressure: 16MPa
- Differential Pressure Range: 20 ~ 300KPa
- Optional DN15 ~ 25 Balancing Valve



ZVC Differential Pressure Control Valve

- Diameter: DN25 ~ 350
- Fluid Error: ± 5%
- Applicable Medium: Water
- Medium Temperature: 0 ~ 120°C



Energy-saving Control Products for Heating Heating Thermostats

Heating Room Thermostat, with comparing room temperature with setpoint, it can control on/off heating equipment by relay to meet the purpose of constant room temperature. It applies to water heating system, heating cable or radiation film heating system.



R8800 Heating Thermostat

- Sensor: NTC
- Temperature Accuracy: ± 1°C
- Temperature Range: 5 ~ 35°C
- Voltage: AC220V ± 10%, 50/60Hz



R8600 Heating Thermostat

- Sensor: NTC
- Temperature Accuracy: ± 1°C
- Temperature Range: 5 ~ 35°C
- Voltage: AC220V ± 10%, 50/60Hz



R8000 Touch Screen Thermostat

- Sensor: NTC
- Temperature Accuracy: ± 1°C
- Temperature Range: 5 ~ 35°C
- Voltage: AC220V ± 10%, 50/60Hz



R310 Touch Screen Thermostat

- Sensor: NTC
- Temperature Accuracy: ± 1°C
- Temperature Range: 5 ~ 35°C
- Voltage: AC220V ± 10%, 50/60Hz



R312 Heating Thermostat

- Sensor: NTC
- Temperature Accuracy: ± 1°C
- Temperature Range: 5 ~ 35°C
- Voltage: AC220V ± 10%, 50/60Hz



R6600 Network Heating Thermostat

- Sensor: NTC
- Voltage: AC220V ± 10%
- Temperature Accuracy: ± 1°C
- Voltage: AC220V or AC380V



R6500 Heating Thermostat

- 25A high-power relay
- Sensor: NTC
- Temperature Accuracy: ± 1°C
- Power Consumption: < 1W



RE001 Heating Thermostat

- Sensor: NTC
- Temperature Accuracy: ± 1°C
- Temperature Range: 5 ~ 35°C
- Voltage: AC220V ± 10%, 50/60Hz



RW7000 Boiler thermostat

- Wall mounted
- White backlight
- Hint interface for each operation
- Luxury design



R205 Wireless Heating Thermostat

- Power Supply: 2 x AA Alkaline Batteries
- Working Humidity: ≤ 95%RH
- Temperature Sensor: NTC
- Work Temperature: 0 ~ 50°C



R6800 Electronic Heating Thermostat

- Status Indicator: LED
- Voltage: AC220V ± 10%, 50/60Hz
- Out Power: 2A(Resistive Load) for water heating 16A(Resistive Load) for electric heating



E30 Series Electro Thermal Valve

- Power Consumption: 2VA
- Thrust: 110N
- Out Power: 2A(Resistive Load) for water heating 16A(Resistive Load) for electric heating
- Full travel time: 5 ~ 8Min



Thermostatic Radiator Valve

- Control section with LCD display
- Schedule programming for heating and low temperature
- Temperature Setting Range: 5 ~ 30°C



ECK Thermostatic Radiator Valve

- Temperature Set-point Range: 7 ~ 28°C
- Temperature Control Range: 0 ~ 50°C
- Max. Heat Medium: 120°C
- Sensor: Liquid Filling Bag/ Acetic Ester

Energy-saving Control Products for Heating Manifold Series

Manifold connects with every heating branch pipes, it is used to collect and distribute water in water system.



EL200 Series Manifold

- Nominal Pressure: 1.0MPa
- Branch Centre Distance: 50mm
- Quantity of Branch Pipe/module structure
- Main Pipe Diameter: DN24(1") , DN32(1 1/4")



EI800 Series Intelligent Manifold

- Applicable Medium: Water, Glycol solution
- Branch Centre Distance: 50mm
- Branch Pipe Diameter: 3/4", 1/2"
- Main Pipe Diameter: 1", 1 1/4"



EL128 Thermal Valve Manifold

- Nominal Pressure: 1.0MPa
- Branch Centre Distance: 50mm
- Quantity of Branch Pipe: 2 ~ 12 pipes
- Main Pipe Diameter: DN25(1"), DN32(1 1/4")



EL129 Water-mixing Heating Centre

- Use Three-way Regulating Valve
- Advanced PID Control
- On-demand Remote control in Real Time
- PC Remote Control by Network



Building Automation Products Sensor \ DDC controller

Sensor is mainly used for temperature & humidity measurement of indoor, outdoor or pipe; Temperature output provides signal types of NTC, platinum resistance, voltage, current, etc., Humidity output provides signal types of voltage, current, and so on, able to meet the different requirements of all kinds of control system.



TS-8000 Temperature Sensor

- Sensor Element: Imported NTC
- Temperature Range: 0 ~ 120°C
- Material: Threaded, Copper Shell
- Protection Grade: IP54



CHT-D/N Temp. & Humi. Sensor

- Temperature Range: 0 ~ 50°C or -20 ~ 80°C
- Humidity Range: 10% ~ 100%RH
- Material: Plastic Shell
- Humidity Output Signal: 0 ~ 5V, 4 ~ 20Ma



TP33 Differential Air Pressure Switch

- Measuring Range: 30 ~ 1000Pa
- Max Pressure of Medium: 5000Pa
- Temp. Limitation of Medium: -40°C ~ +85°C
- Voltage: 5A 250VAC



WNS Differential Pressure Controller

- Degree Range: 8 ~ 60PSI
- Operation Differential Pressure: 2PSI
- Max differential pressure between bellows: 120PSI



Humidity & Temperature Indicator

- Measuring Range: -40 ~ 150°C, 0 ~ 100%RH
- Voltage: AC24V ± 10%, 50/60Hz
- Temperature Value: 9 Channels
- Humidity Value: 3 Channels

Building Automation Products Damper Actuator Series



CA/CD Series Damper Actuator

- Output Torque: 5Nm, 10Nm, 20Nm
- Running Time: 150s
- Position Indication: Mechanical Indicator
- Voltage: 24VAC or 110 ~ 220VAC



ERD 10/12 Damper Actuator

- Specification: 4Nm, 6Nm, 8Nm, 10Nm, 15Nm, 20Nm, 25Nm, 30Nm
- Angle of rotation: 90° (65° Max)
- Protection Class: IP42



GA/GD Series Damper Actuator

- Rotating Angle: 0 ~ 90°
- Life: 60,000 times rotation
- Ambient Temperature: -20 ~ +50°C
- Ambient Humidity: 5 ~ 95%RH



TA/TD Series Damper Actuator

- Output Torque: 2Nm, 4Nm
- Running Time: 80 ~ 150Sec
- Running Power Consumption: 4VA
- Net Weight: 0.6 ~ 0.8Kg



TA/TD Series Damper Actuator

- Output Torque: 6Nm, 10Nm
- Running Time: 30 ~ 150Sec
- Running Power Consumption: 4VA
- Net Weight: 0.8 ~ 1.2Kg



TA/TD Series Damper Actuator

- Output Torque: 16Nm, 25Nm, 40Nm
- Running Time: 80 ~ 150Sec
- Running Power Consumption: 6 ~ 8VA
- Net Weight: 1.4 ~ 1.3Kg



TA/TD Spring-return Damper Actuator

- Output Torque: 8Nm, 15Nm
- Running Time: 70 ~ 150Sec
- Running Power Consumption: 6 ~ 8VA
- Net Weight: 1.8 ~ 2.2Kg

Building Automation Products Flow Switch Series

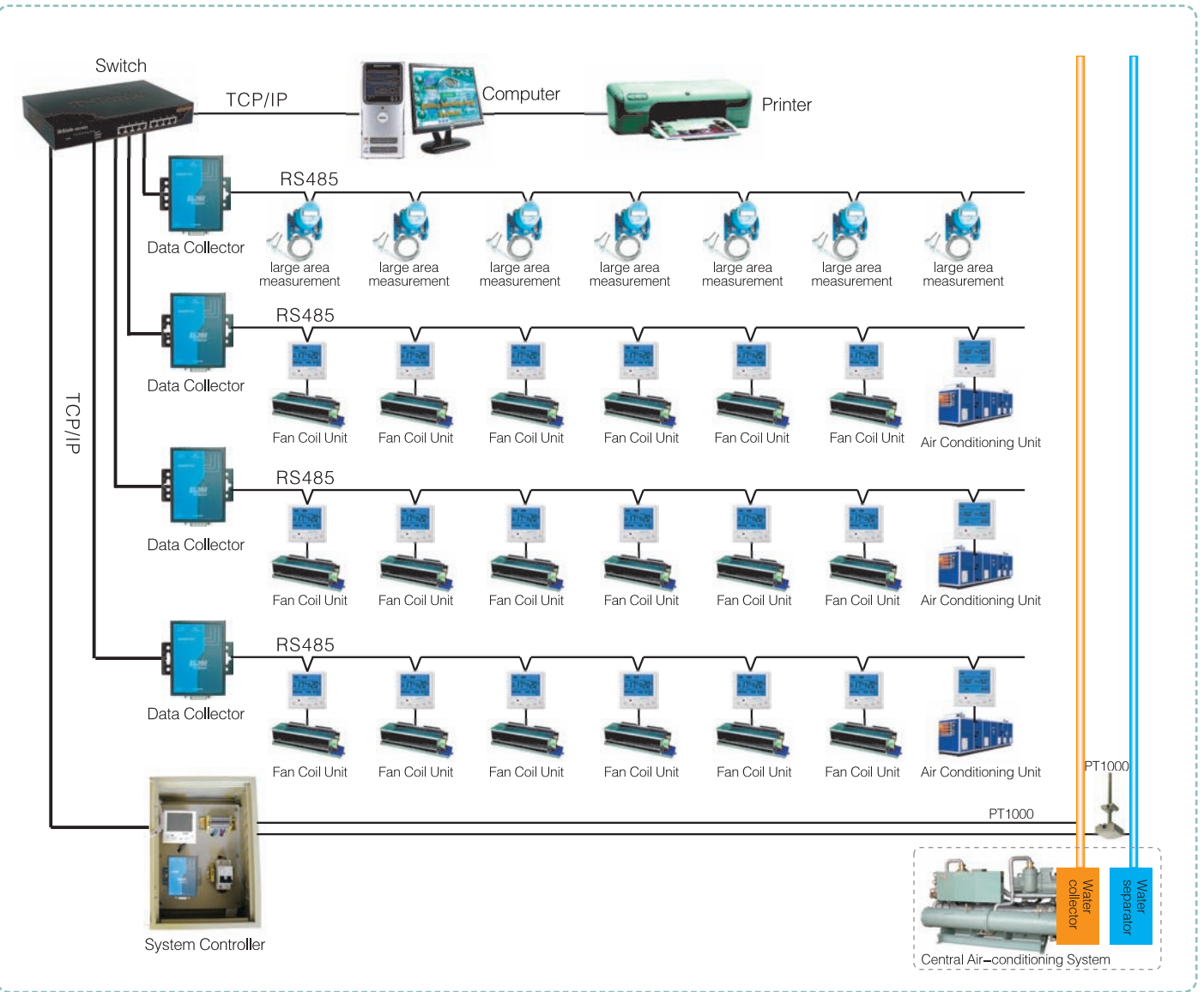



YF61KB Flow Switch

- Liquid Temperature: -20 ~ 120°C
- Connection Material: Brass
- Max Pressure: 1.6MPa
- Protection Class: IP53

Central airconditioning billing monitoring system

EL8000 Central Air-conditioning Billing Monitoring System integrates automation control technology and computer network technology, can simultaneously centralized control or independently control the open/close of several terminal equipments, temperature control, open/close of valve, etc. On colored dynamic interface, you can see the running status of every terminal equipment, manual or automatic on/off and cumulative run-time, and then control these statuses so as to realize energy-saving. This system not only can measure HVAC System and Heating System, but also can collect, operate, analyze and process data from meters of water, electric, gas, domestic hot water, purified water, etc, and manage the running equipment high efficiently and economically.





EL360 Data Collector

- Built-in network adapter
- Connect with computer by RJ45 interface
- Communicate with terminal instrument by RS485 bus
- Communication Distance: with terminal instrument ≥ 1000m



JHM Mechanical Energy Meter

- Advanced Nonmagnetic Technology
- Standard core with multi-steams
- Pressure: 1.6MPa
- Temperature Range: 4 ~ 95°C
- Power Supply: Internal lithium battery
- Protection Class: IP52



JHM Ultrasonic Energy Meter

- Ultrasonic time-difference measurement with high accuracy
- Temperature Range: 4 ~ 95°C
- Power Supply: Internal lithium battery
- Protection Class: IP52



EL361 System Controller

- With real-time temperature collection function
- With real-time data analysis function
- With Heating/Cooling quality inspection function
- With the function of uploading terminal data
- Real-time response to control demand of PC