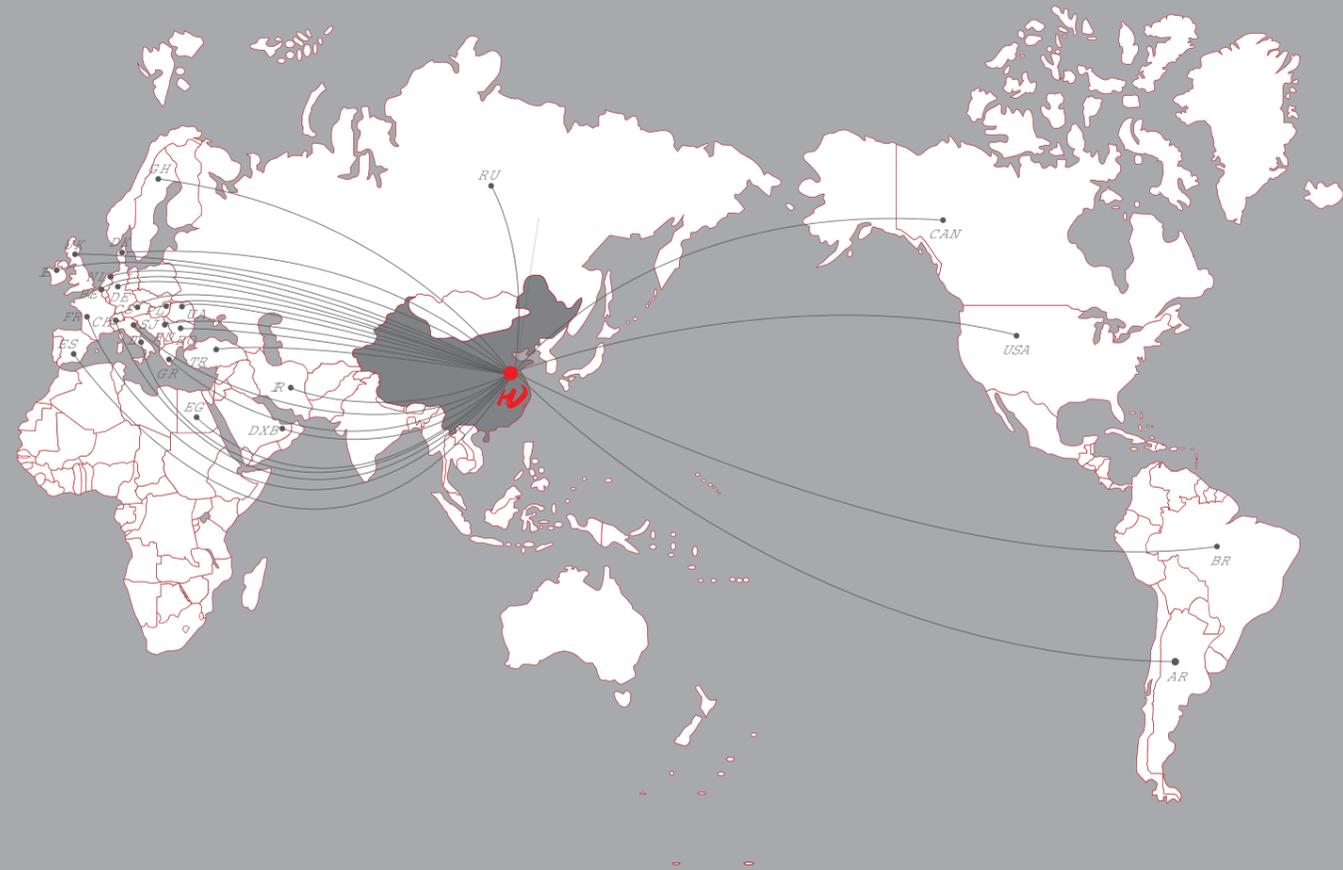




铸就品质 诚信共赢
QUALITY CAST INTEGRITY AND WIN-WIN



华宏网址

华宏微信



无锡市惠山华宏自动控制有限公司

WUXI HUIZHAN AUTOMATIC CONTROLLER CO.,LTD



PROFESSIONAL CATALOGUE **2020**

无锡市惠山华宏自动控制有限公司
WUXI HUIZHAN AUTOMATIC CONTROLLER CO.,LTD

地址: 无锡市滨湖区勤新私营经济园钱姚路88号-260
ADD: NO.260 Qinxin Industry Area NO.88 Qian Yao Road,Wuxi, Jiangsu, China
电话: 0086 510 83704953
传真: 0086 510 83700354
邮箱: ceo@hhhh.cn
网址: [Http://www.heatcool.cn](http://www.heatcool.cn) [Http://wxheatcool.en.alibaba.com](http://wxheatcool.en.alibaba.com)



华宏网址

华宏微信

中国·江苏·无锡
China · JiangSu · Wuxi

公司简介

Company Profile

无锡市惠山华宏自动控制有限公司成立于1988年,位于江苏无锡,公司占地面积约8400多平方,是集研发、生产、销售及服务于一体的智控领域高新科技企业。我们旨在为供暖、空调、通风及净化行业,工业自动化控制及楼宇自控等智能管理领域提供全面的系统解决方案。主要产品有散热器恒温阀、中央空调及地暖用温控器、电动执行器、电热执行器等,目前已通过ISO9001质量管理体系认证;散热器恒温阀已通过欧洲EN215认证,是国内最早通过该认证的企业之一;其他产品分别已通过CE, CQC, UL等认证;多项产品获得了“实用新型专利”“外观设计专利”温差自动驱动器和电驱动球阀执行器分别申请了发明专利及实用新型专利。我公司的质量方针:“以新品开发带动技术创新,以持续改进增强顾客满意”有专业的技术团队,具备很强的研发能力和质量控制能力,可根据客户要求进行研究、生产,满足客户的各种需求。我们的业务遍布全球,与世界自控行业中许多著名企业有着紧密的合作,每年出口额占总销售额的75%以上,得到国内外用户的广泛赞誉和信赖。我们愿与伙伴共同成长,为舒适、健康与节能的生活一起努力。

Established in 1988, Wuxi Huishan Automatic Controller Co., Ltd is a high-tech enterprise in the field of intelligent control that integrates R&D, production, sales and service. We are located at Wuxi City, Jiangsu Province of China, with total area of 8400 square meters. We aim to provide comprehensive system solutions to the heating, air conditioning, ventilation and purification industries, industrial automation control and building automation and other intelligent management fields. Our main products include thermostats, thermostatic radiator valves, central air conditioning and floor heating thermostats, liquid sensors, room thermostats, electric thermal actuators and other temperature controller for pipes, boilers, ovens, freezers, refrigerators, water heater and car air conditioner, etc. With ISO9001, CE, CQC, UL and other certifications, we are one of companies who passed EN215 firstly in China. Our quality policy is "New products development drives technical innovation, continuous improvement enhances customer satisfaction". We have a professional technical team, with strong R&D and quality control ability. Our business is spread all over the world, and we have close cooperation with many famous enterprises in automation industry. We are willing to grow together with our partners and work together for a more comfortable, healthy and energy-saving life.

铸就品质 诚信共赢



铸就品质 诚信共赢

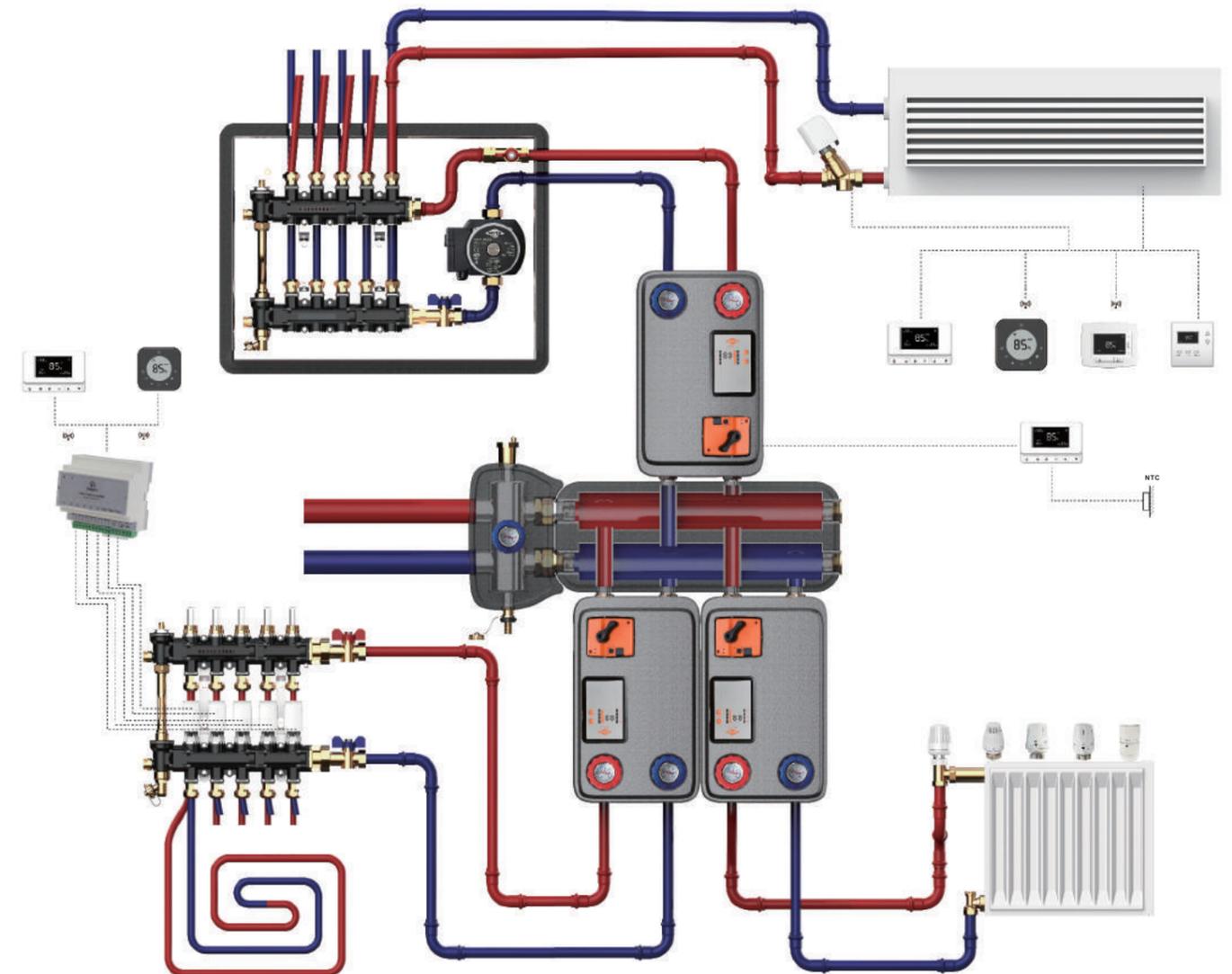


目录 CONTENTS

1	散热器恒温控制器	Thermostatic head with liquid sensor
4	阀体	Valve
7	液阀芯	Liquid sensor
9	电热执行器	Electric thermal actuator
12	电动直行程执行器	Electric drive linear actuator
17	电子管道温控	Electric pipe thermostat
19	管道温控	Pipe thermostat
22	电子房间温控	Electronic room thermostat
29	房间温控	Room thermostat
32	电动球阀执行器	Electric ball valve actuator
39	集分水器	Manifold
41	供热循环泵站	Heating circulation pumping station
42	防霜温控	Anti-frost thermostat
43	毛细管温控器	Capillary Thermostat
47	流量开关	FS flow switch
49	自动补水阀	Automatic water filling valve

两联供系统图

Two continuous supply system diagram

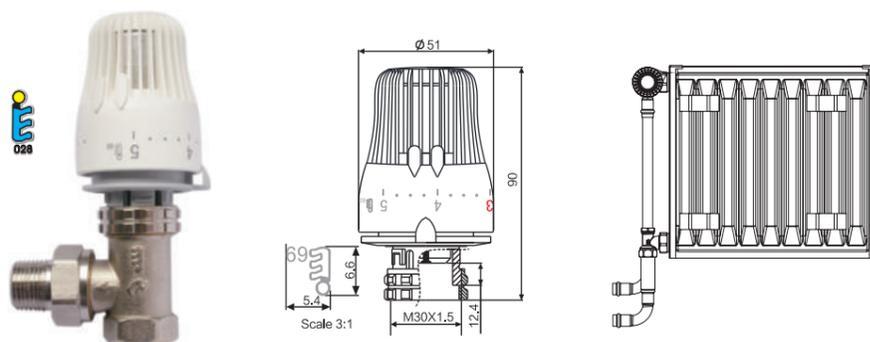
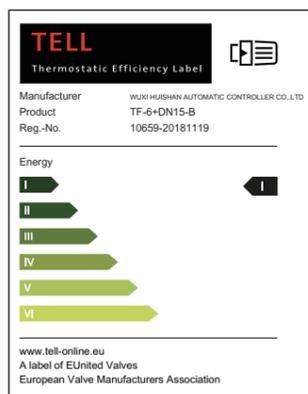




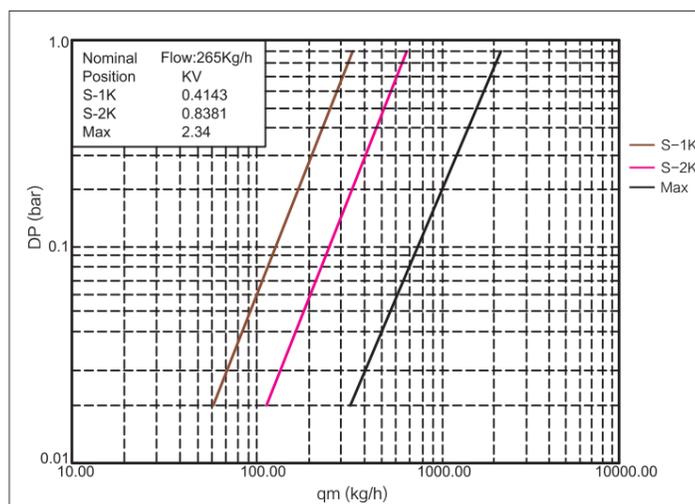
Thermostatic head with liquid sensor

此款为立式恒温控制阀，无需外部能量，可以独立调节每个房间的温度，维持一个恒定的室温要求。具有节能，易使用性。

Thermostatic radiator valve in this design is the self-adjustable control valve without needs of external energy. It can be adjusted independently for the temperature in each room. And thereby maintaining a constant room temperature required. It features energy-saving and easy to use.



最大工作压力 Maximum admissible static pressure	1.0MPa
最大工作压差 Maximum admissible differential pressure	0.1MPa
最大流体温度 Maximum fluid temperature	110°C
公称流量 Nominal flow rate	265kg/h
滞后 (C) Hysteresis (C)	0.4K
压差的影响 (D) Differential pressure influence (D)	0.4K
水温度的影响 (W) Water temperature influence (W)	0.6K
除霜保护 Antifreeze position	✱ 6°C
响应时间 (Z) Response time (Z)	23min
安装螺母 Installation size	M30x1.5 (M28x1.5)



TFA01A01
 温度设定范围: 2~28°C
 最大工作压力: 1.0MPa
 最大工作压差: 0.1MPa
 最高耐温: 50°C
 安装螺母: M30x1.5
 滞后: 0.4K
 是否带锁: 是

TFB01A01
 温度设定范围: 2~28°C
 最大工作压力: 1.0MPa
 最大工作压差: 0.1MPa
 最高耐温: 50°C
 安装螺母: M30x1.5
 滞后: 0.4K
 是否带锁: 是

Model	Temperature range	Maximum static pressure	Maximum differential pressure	Maximum temperature resistance	Installation size	Hysteresis	Differential Pressure influence
TFA01A01	2~28°C	1.0MPa	0.1MPa	50°C	M30x1.5	0.4K	YES
TFB01A01	2~28°C	1.0MPa	0.1MPa	50°C	M30x1.5	0.4K	YES



Thermostatic head with liquid sensor

TFC01A01

温度设定范围: 2~28°C
 最大工作压力: 1.0MPa
 最大工作压差: 0.1MPa
 最高耐温: 50°C
 安装螺母: M30x1.5
 滞后: 0.4K
 是否带锁: 是



TF-9

温度设定范围: 6~28°C
 最大工作压力: 1.0MPa
 最大工作压差: 0.1MPa
 最高耐温: 50°C
 安装螺母: M30x1.5
 滞后: 0.4K
 是否带锁: 是



Model	Temperature range	Maximum static pressure	Maximum differential pressure	Maximum temperature resistance	Installation size	Hysteresis	Differential pressure influence
TFC01A01	2~28°C	1.0MPa	0.1MPa	50°C	M30x1.5	0.4K	YES
TF-9	6~28°C	1.0MPa	0.1MPa	50°C	M30x1.5	0.4K	YES

TF-4

温度设定范围: 6~28°C
 最大工作压力: 1.0MPa
 最大工作压差: 0.1MPa
 最高耐温: 50°C
 安装螺母: M30/M28x1.5
 滞后: 0.4K
 是否带锁: 否



TF-5

温度设定范围: 6~28°C
 最大工作压力: 1.0MPa
 最大工作压差: 0.1MPa
 最高耐温: 50°C
 安装螺母: M30x1.5
 滞后: 0.4K
 是否带锁: 是



Model	Temperature range	Maximum static pressure	Maximum differential pressure	Maximum temperature resistance	Installation size	Hysteresis	Differential pressure influence
TF-4	6~28°C	1.0MPa	0.1MPa	50°C	M28/M30x1.5	0.4K	NO
TF-5	6~28°C	1.0MPa	0.1MPa	50°C	M30x1.5	0.4K	YES

TF-20

温度设定范围: 6~28°C
 最大工作压力: 1.0MPa
 最大工作压差: 0.1MPa
 最高耐温: 50°C
 安装螺母: M30x1.5
 滞后: 0.4K
 是否带锁: 是



TF-34

温度设定范围: 2~28°C
 最大工作压力: 1.0MPa
 最大工作压差: 0.1MPa
 最高耐温: 50°C
 安装螺母: M30x1.5
 滞后: 0.4K
 是否带锁: 是



Model	Temperature range	Maximum static pressure	Maximum differential pressure	Maximum temperature resistance	Installation size	Hysteresis	Differential pressure influence
TF-20	6~28°C	1.0MPa	0.1MPa	50°C	M30x1.5	0.4K	YES
TF-34	2~28°C	1.0MPa	0.1MPa	50°C	M30x1.5	0.4K	YES



Thermostatic head with remote sensor



TF-7A
 温度设定范围: 20~60°C
 最大工作压力: 1.0MPa
 最大工作压差: 0.1MPa
 最高耐温: 80°C
 安装螺母: M28/M30x1.5
 毛细管长度: 2000mm
 温包长度: φ9.5x110mm



TF-13
 温度设定范围: 20~60°C
 最大工作压力: 1.0MPa
 最大工作压差: 0.1MPa
 最高耐温: 80°C
 安装螺母: M30x1.5
 毛细管长度: 2000mm
 温包长度: φ9.5x110mm

Model	Temperature range	Maximum static pressure	Maximum differential pressure	Maximum temperature resistance	Installation size	Capillary length	Bulb length
TF-7A	20~60°C	1.0MPa	0.1MPa	80°C	M28/M30x1.5	2000mm	φ9.5x110mm
TF-13	20~60°C	1.0MPa	0.1MPa	80°C	M30x1.5	2000mm	φ9.5x110mm



TF-15
 温度设定范围: 6~28°C
 最大工作压力: 1.0MPa
 最大工作压差: 0.1MPa
 最高耐温: 80°C
 安装螺母: M30x1.5
 毛细管长度: 2000mm
 温包长度: φ9.5x110mm



TF-36
 温度设定范围: 20~70°C
 最大工作压力: 1.0MPa
 最大工作压差: 0.1MPa
 最高耐温: 80°C
 安装螺母: M30x1.5
 毛细管长度: 1000mm
 温包长度: φ15.5x94.5mm

Model	Temperature range	Maximum static pressure	Maximum differential pressure	Maximum temperature resistance	Installation size	Capillary length	Bulb length
TF-15	6~28°C	1.0MPa	0.1MPa	80°C	M30x1.5	2000mm	φ9.5x110mm
TF-36	20~70°C	1.0MPa	0.1MPa	80°C	M30x1.5	1000mm	φ9.5x110mm



TF-42
 温度设定范围: 20~60°C
 最大工作压力: 1.0MPa
 最大工作压差: 0.1MPa
 最高耐温: 80°C
 安装螺母: M30x1.5
 毛细管长度: 2000mm
 温包长度: φ9.5x110mm



TF-13C
 温度设定范围: 20~60°C
 最大工作压力: 1.0MPa
 最大工作压差: 0.1MPa
 最高耐温: 80°C
 安装螺母: M30x1.5
 毛细管长度: 1000mm
 温包长度: φ9.5x110mm

Model	Temperature range	Maximum static pressure	Maximum differential pressure	Maximum temperature resistance	Installation size	Capillary length	Bulb length
TF-42	20~60°C	1.0MPa	0.1MPa	80°C	M30x1.5	2000mm	φ9.5x110mm
TF-13C	20~60°C	1.0MPa	0.1MPa	80°C	M30x1.5	1000mm	φ9.5x110mm



Valve



DN15-A2
 KVS: 1.3
 口径: 1/2"
 最大工作压差: 1bar
 最大工作压力: 10bar
 耐温: 5~100°C



DN15-AC
 KVS: 1.7
 口径: 1/2"
 最大工作压差: 1bar
 最大工作压力: 10bar
 耐温: 5~100°C

Model	Specification	Maximum static pressure	Maximum differential pressure	Temperature resistance	KVS
DN15-A2	1/2"	10bar	1bar	5~100°C	1.3
DN15-AC	1/2"	10bar	1bar	5~100°C	1.7



DN20-A2
 KVS: 2.2
 口径: 3/4"
 最大工作压差: 1bar
 最大工作压力: 10bar
 耐温: 5~100°C



DN20-AC
 KVS: 2.4
 口径: 3/4"
 最大工作压差: 1bar
 最大工作压力: 10bar
 耐温: 5~100°C

Model	Specification	Maximum static pressure	Maximum differential pressure	Temperature resistance	KVS
DN20-A2	3/4"	10bar	1bar	5~100°C	2.2
DN20-AC	3/4"	10bar	1bar	5~100°C	2.4



DN15-B2
 KVS: 1.5
 口径: 1/2"
 最大工作压差: 1bar
 最大工作压力: 10bar
 耐温: 5~100°C



DN15-BC2
 KVS: 1.7
 口径: 1/2"
 最大工作压差: 1bar
 最大工作压力: 10bar
 耐温: 5~100°C

Model	Specification	Maximum static pressure	Maximum differential pressure	Temperature resistance	KVS
DN15-B2	1/2"	10bar	1bar	5~100°C	1.5
DN15-BC2	1/2"	10bar	1bar	5~100°C	1.7



Valve



DN15-A3
KVS: 0.9
口径: 1/2"
最大工作压差: 1bar
最大工作压力: 10bar
耐温: 5~100°C



DN15-AC2
KVS: 1.14
口径: 1/2"
最大工作压差: 1bar
最大工作压力: 10bar
耐温: 5~100°C

Model	Specification	Maximum static pressure	Maximum differential pressure	Temperature resistance	KVS
DN15-A3	1/2"	10bar	1bar	5~100°C	0.9
DN15-AC2	1/2"	10bar	1bar	5~100°C	1.14



DN15-B3
KVS: 2.00
口径: 1/2"
最大工作压差: 1bar
最大工作压力: 10bar
耐温: 5~100°C



DN15-BC
KVS: 1.63
口径: 1/2"
最大工作压差: 1bar
最大工作压力: 10bar
耐温: 5~100°C

Model	Specification	Maximum static pressure	Maximum differential pressure	Temperature resistance	KVS
DN15-B3	1/2"	10bar	1bar	110°C	2.00
DN15-BC	1/2"	10bar	1bar	110°C	1.63



DN15-B4
KVS: 1.5
口径: 1/2"
最大工作压差: 1bar
最大工作压力: 10bar
耐温: 5~100°C



DN15-BC3
KVS: 1.63
口径: 1/2"
最大工作压差: 1bar
最大工作压力: 10bar
耐温: 5~100°C

Model	Specification	Maximum static pressure	Maximum differential pressure	Temperature resistance	KVS
DN15-B4	1/2"	10bar	1bar	5~100°C	1.5
BV15-BC3	1/2"	10bar	1bar	5~100°C	1.63



TCB series multibox



TCB-1



TCB-2



TCB-3



TCB-4

产品名称 Model	TCB-1	TCB-2	TCB-3	TCB-4
工作温度范围 Temperature range	6~28°C	10~50°C	6~28°C/10~50°C	10~50°C
最大工作压力 Maximum admissible static pressure	1.0Mp	1.0Mp	1.0Mp	1.0Mp
最大工作压差 Maximum admissible differential pressure	0.1MPa	0.1MPa	0.1MPa	0.1MPa
安装深度 Installation depth	60mm	60mm	60mm	60mm
连接头螺纹 Connection size	G 3/4"	G 3/4"	G 3/4"	G 3/4"
恒温控制器 Thermostatic head with liquid sensor	TF-6	TF-23	TF-23&TF-6	DF-110E&TF-23

回水恒温阀

Water return temperature control valve



TF-23



DN20-AG

热敏感元件 Heat sensitive element	温度调节范围 Temperature range	刻度标识 Temperature regulation scale
蜡阀芯 Wax sensor	10~50°C	1~5
最大工作压力 Maximum admissible static pressure	最大工作压差 Maximum admissible differential pressure	安装螺母 Installation size
1.0MPa	0.1MPa	M30x1.5

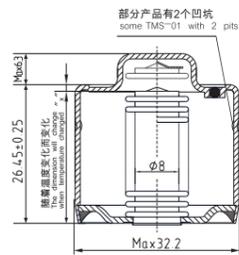
Liquid sensor



TMS-01

工作范围: 5~30°C
 工作负载: 40~80N
 最小/最大负载: 40/120N
 最小/最大温度: -25°C~55°C
 滞后: 0.12K
 20°C高度: 0.95±0.2mm

外形尺寸
Overall dimensions



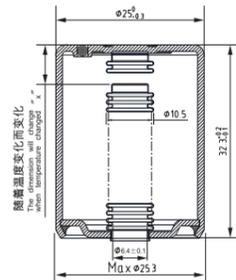
Model	Area of work	Work load	Min /Max load	Min/Max Temperature	Hysteresis	20 °C height
TMS-01	5°C~30°C	40-80N	40/120N	-25°C~+55°C	0.12K	0.95±0.2mm



TMS-03

工作范围: 5~30°C
 工作负载: 40~80N
 最小/最大负载: 40/120N
 最小/最大温度: -25°C~55°C
 滞后: 0.12K
 20°C高度: 6.5±0.2mm

外形尺寸
Overall dimensions



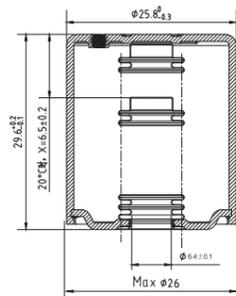
Model	Area of work	Work load	Min /Max load	Min/Max Temperature	Hysteresis	20 °C height
TMS-03	5°C~30°C	40-80N	40/120N	-25°C~+55°C	0.12K	6.5±0.2mm



TMS-04

工作范围: 5~30°C
 工作负载: 40~80N
 最小/最大负载: 40/120N
 最小/最大温度: -25°C~55°C
 滞后: 0.12K
 20°C高度: 6.5±0.2mm

外形尺寸
Overall dimensions



Model	Area of work	Work load	Min /Max load	Min/Max Temperature	Hysteresis	20 °C height
TMS-04	5°C~30°C	40-80N	40/120N	-25°C~+55°C	0.12K	6.5±0.2mm

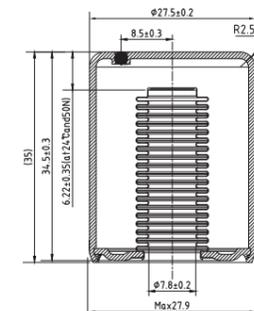
Liquid sensor



TMS-05

工作范围: 5~30°C
 工作负载: 40~80N
 最小/最大负载: 40/120N
 最小/最大温度: -25°C~55°C
 滞后: 0.12K
 24°C高度: 6.22±0.35mm

外形尺寸
Overall dimensions

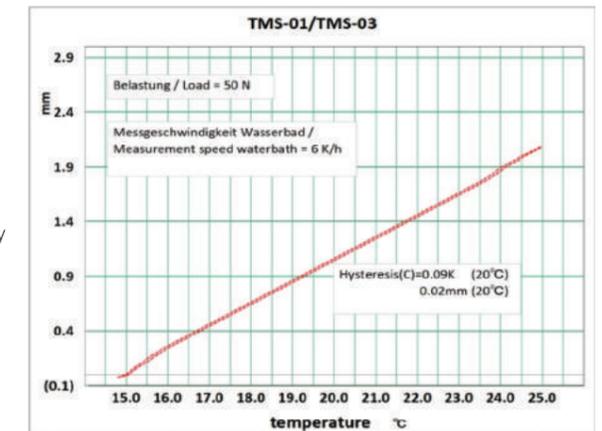


Model	Area of work	Work load	Min /Max load	Min/Max Temperature	Hysteresis	24 °C height
TMS-05	5°C~30°C	40-80N	40/120N	-25°C~+55°C	0.12K	6.22±0.35mm

具有控温、调温的功能。一般用于温度控制器和散热器恒温阀，符合EN215。

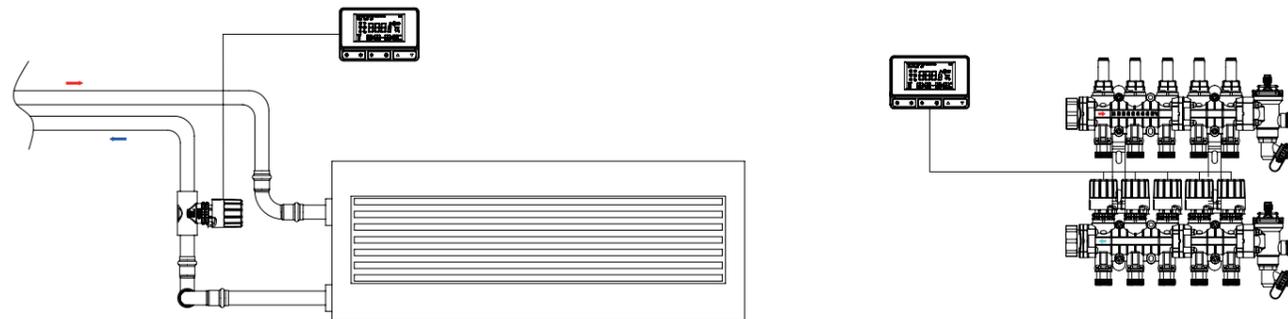
Have the function of the temperature control, temperature regulation. Generally used for thermostatic radiator valve head and temperature controller, conform to EN215.

The measure is achieved at 20°C and for a load of 50N
 2.2±0.1mm between 15°C/25°C with a load of 50N

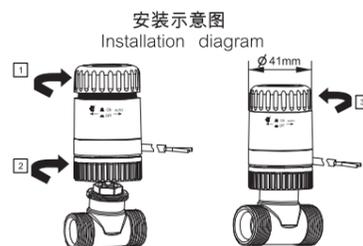


Electric thermal actuator

电热执行器是热激发性高效开关阀门执行器;主要用于控制地暖或中央空调系统阀门的开启或关闭,与房间温控器联动,达到控制室温的作用。
The electric heating actuator is a thermally-excited high-efficiency on-off valve actuator; it is mainly used to control the opening or closing of the floor heating or central air-conditioning system valves. It is linked with the room thermostat to control the room temperature.

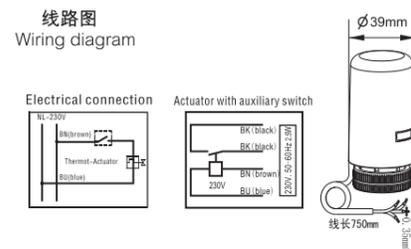


DR-09
工作电源: 230V/24VAC
运行时间: 4.5min
工作行程: 3mm
工作推力: 90~125N
最大工作电流: 150mA/250mA
功率: 2.5W/3W
安装螺母: M30X1.5



Model	Supply power	Maximum working current	Running time	Force	Stroke	Power	Installation size
DR-09	230V/24VAC	150mA/250mA	4.5min	90~125N	3mm	2.5W/3W	M30x1.5

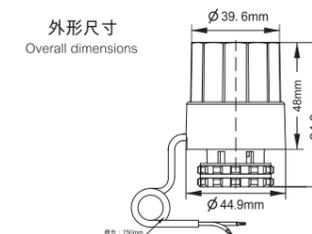
DR-10
工作电源: 230V/24VAC
运行时间: 4.5min
工作行程: 4mm
工作推力: 90~125N
最大工作电流: 150mA/250mA
功率: 2.5W/3W
安装螺母: M30X1.5



Model	Supply power	Maximum working current	Running time	Force	Stroke	Power	Installation size
DR-10	230V/24VAC	150mA/250mA	4.5min	90~125N	4mm	2.5W/3W	M30x1.5

DF-110E

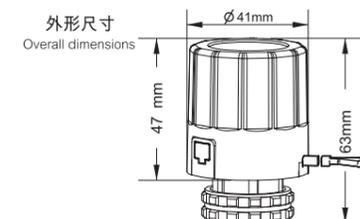
工作电源: 230V/24VAC
运行时间: 4.5min
工作行程: 3mm
工作推力: 90~125N
最大工作电流: 150mA/250mA
功率: 2.5W/3W
安装螺母: M30X1.5



Model	Supply power	Maximum working current	Running time	Force	Stroke	Power	Installation size
DF-110E	230V/24VAC	150mA/250mA	4.5min	90~125N	3mm	2.5W/3W	M30x1.5

DF-110H

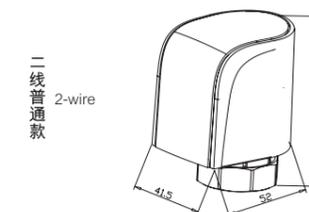
工作电源: 230V/24VAC
运行时间: 4.5min
工作行程: 3mm
工作推力: 90~125N
最大工作电流: 150mA/250mA
功率: 2.5W/3W
安装螺母: M30X1.5



Model	Supply power	Maximum working current	Running time	Force	Stroke	Power	Installation size
DF-110H	230V/24VAC	150mA/250mA	4.5min	90~125N	3mm	2.5W/3W	M30x1.5

DR-16B

工作电源: 230V/24VAC
运行时间: 4.5min
工作行程: 4mm/5mm
工作推力: 90~125N
最大工作电流: 150mA/250mA
功率: 2.5W/3W
安装螺母: M30X1.5



Model	Supply power	Maximum working current	Running time	Force	Stroke	Power	Installation size
DR-16B	230V/24VAC	150mA/250mA	4.5min	90~125N	4mm/5mm	2.5W/3W	M30x1.5

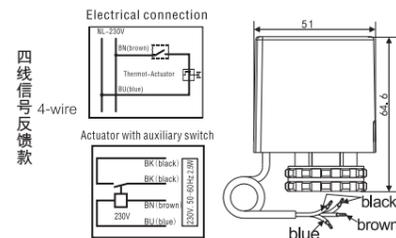


Electric thermal actuator



DR-17

工作电源: 230V/24VAC
 运行时间: 4.5min
 工作行程: 4mm/5mm
 工作推力: 90~125N
 最大工作电流: 150mA/250mA
 功率: 2.5W/3W
 安装螺母: M30X1.5

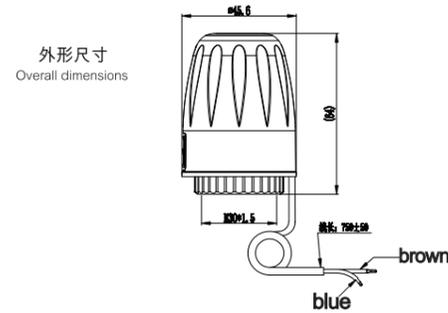


Model	Supply power	Maximum working current	Running time	Force	Stroke	Power	Installation size
DR-17	230V/24VAC	150mA/250mA	4.5min	90~125N	4mm/5mm	2.5W/3W	M30x1.5



ZRE230B01/ZRE24B01

工作电源: 230V/24VAC
 运行时间: 4.5min
 工作行程: 4mm/5mm
 工作推力: 90~125N
 最大工作电流: 150mA/250mA
 功率: 2.5W/3W
 安装螺母: M30X1.5

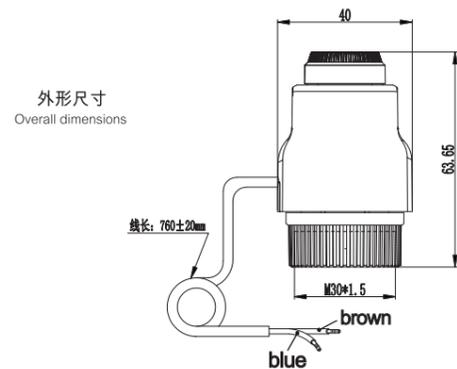


Model	Supply power	Maximum working current	Running time	Force	Stroke	Power	Installation size
ZRE230B01	230V/24VAC	150mA/250mA	4.5min	90~125N	4mm/5mm	2.5W/3W	M30x1.5



ZRB230A01

工作电源: 230V/24VAC
 运行时间: 4.5min
 工作行程: 4mm/5mm
 工作推力: 90~125N
 最大工作电流: 150mA/250mA
 功率: 2.5W/3W
 安装螺母: M30X1.5

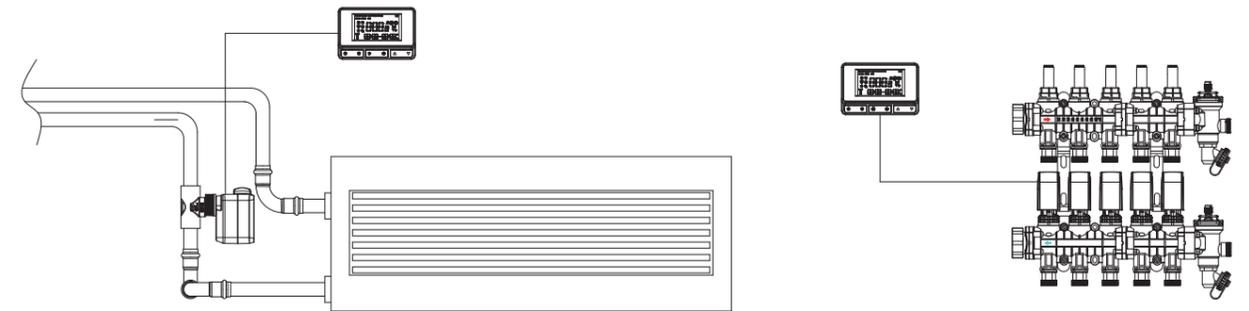


Model	Supply power	Maximum working current	Running time	Force	Stroke	Power	Installation size
ZRB230A01	230V/24VAC	150mA/250mA	4.5min	90~125N	4mm/5mm	2.5W/3W	M30x1.5



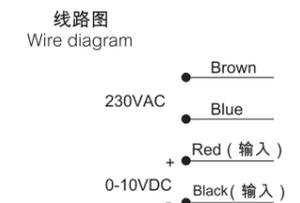
Electric drive linear actuator

直行程执行器是电驱动性高效开关阀门执行器;主要用于控制地暖或中央空调系统阀门的开启或关闭,与房间温控器联动,达到控制室温的作用,其中温差型、高低温保护型,可以独立控制流量,达到控制室温的作用。
 Straight-stroke actuator is an electrically driven high-efficiency on-off valve actuator; it is mainly used to control the opening or closing of floor heating or central air-conditioning system valves. Protection type, which can independently control the flow to achieve the role of controlling room temperature.



ZRA230A01

工作电源: 230V/24VAC
 运行时间: 35S
 工作行程: 4.5mm
 工作推力: 140~160N
 功率: 1W
 安装螺母: M30X1.5
 电源线长: 600±50mm

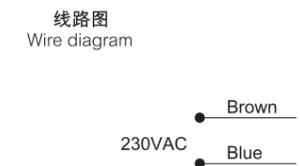


Model	Supply power	Running time	Force	Stroke	Power	Installation size	Cable length
ZRA230A01	230V/24VAC	35S	140~160N	4.5mm	1W	M30x1.5	600±50mm



ZRA230K01/ZRA230B01

工作电源: 230V/24VAV
 运行时间: 35S
 工作行程: 4.5mm
 工作推力: 140~160N
 功率: 1W
 安装螺母: M30X1.5
 电源线长: 600±50mm



Model	Supply power	Running time	Force	Stroke	Power	Installation size	Cable length
ZRA230K01/B01	230V/24VAC	35S	140~160N	4.5mm	1W	M30x1.5	600±50mm

Electric drive linear actuator



ZRA230F01
 工作电源: 230V/24VAC
 运行时间: 35S
 工作行程: 4.5mm
 工作推力: 140~160N
 功率: 1W
 安装螺母: M30X1.5
 电源线长: 600±50mm

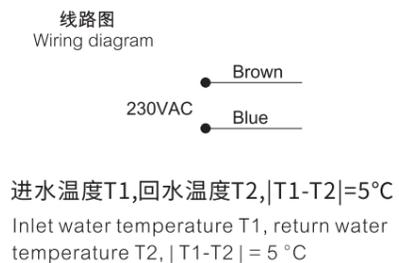


Model	Supply power	Running time	Force	Stroke	Power	Installation size	Cable length
ZRA230F01	230V/24VAC	35S	140~160N	4.5mm	1W	M30x1.5	600±50mm

Electric drive linear actuator



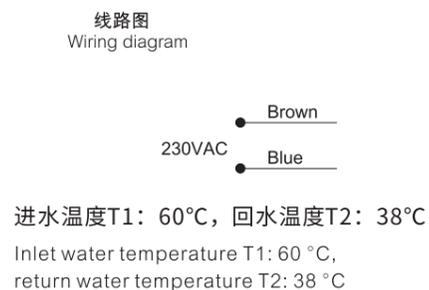
ZRA230D01
 工作电源: 230V/24VAC
 运行时间: 35S
 工作行程: 4.5mm
 工作推力: 140~160N
 功率: 1W
 安装螺母: M30X1.5
 电源线长: 600±50mm



Model	Supply power	Running time	Force	Stroke	Power	Installation size	Cable length
ZRA230D01	230V/24VAC	35S	140~160N	4.5mm	1W	M30x1.5	600±50mm



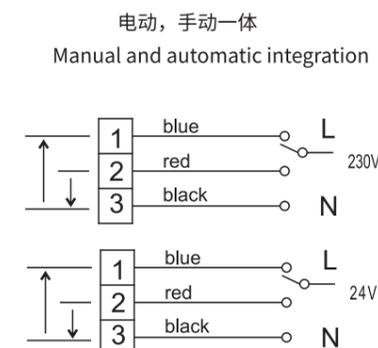
ZRA230W01
 工作电源: 230V/24VAC
 运行时间: 35S
 工作行程: 4.5mm
 工作推力: 140~160N
 功率: 1W
 安装螺母: M30X1.5
 电源线长: 600±50mm



Model	Supply power	Running time	Force	Stroke	Power	Installation size	Cable length
ZRA230W01	230V/24VAC	35S	140~160N	4.5mm	1W	M30x1.5	600±50mm



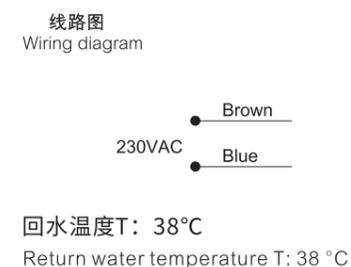
ZEA230K01/24K01
 工作电源: 230V/24V
 运行时间: 15S
 工作行程: 5.5mm
 工作推力: 160N
 功率: 3W
 安装螺母: M30X1.5
 防护等级: IP42



Model	Supply power	Running time	Force	Stroke	Power	Installation size	Protection
ZEA230K01/24K01	230V/24VAC	15S	160N	5.5mm	3W	M30x1.5	IP42



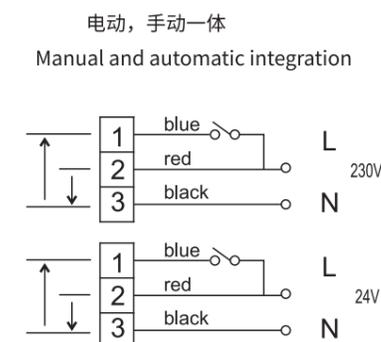
ZRA230W03
 工作电源: 230V/24VAC
 运行时间: 35S
 工作行程: 4.5mm
 工作推力: 140~160N
 功率: 1W
 安装螺母: M30X1.5
 电源线长: 600±50mm



Model	Supply power	Running time	Force	Stroke	Power	Installation size	Cable length
ZRA230W03	230V/24VAC	35S	140~160N	4.5mm	1W	M30x1.5	600±50mm



ZEA230K02/24K02
 工作电源: 230V/24V
 运行时间: 15S
 工作行程: 5.5mm
 工作推力: 160N
 功率: 3.5W
 安装螺母: M30X1.5
 防护等级: IP42



Model	Supply power	Running time	Force	Stroke	Power	Installation size	Protection
ZEA230K02/24K02	230V/24VAC	15S	160N	5.5mm	3.5W	M30x1.5	IP42

Electric drive linear actuator

灵活多变的的功能设定
三线单控、三线双控、0-10V比例调节并带
输出反馈、Mbus通讯
Flexible function settings

Three-wire single control, three-wire dual control,
0-10V proportional adjustment with output feedback,
Mbus communication

常开、常闭工作状态切换
Normally open, normally closed working state
switching

无线接收功能
Wireless receiving function

电机运行时间可调
可根据具体应用的需求，在15到45S的范围内调节
Adjustable motor running time
Can be adjusted from 15 to 45S according to the
Needs of specific applications

尺寸小，安装空间减少便于安装(69x39x59mm)
Small size and reduced installation space for easy installation



带温度控制功能
10-80°C温度可调
With function of temperature control
10-80 °C temperature adjustable

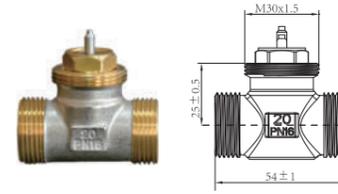
推力180N，最大可做到250N
Thrust 180N, maximum 250N

能耗节省
energy savings

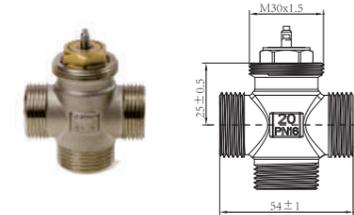
带温差控制功能
温差可调，可冷暖切换
With function of temperature different
Control
Adjustable temperature difference, can
Switch between heating and cooling

带液晶屏显示功能
显示探测温度及设定温度. 反馈电压
With LCD display function
Display detection temperature and set temperature
Display feedback voltage

Matching valve

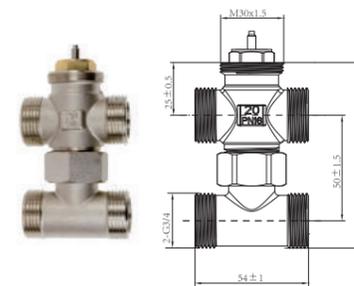


DN20-AT2
KVS: 2.21
口径: 3/4"
最大工作压差: 1bar
最大工作压力: 10bar
耐温: 5~100°C

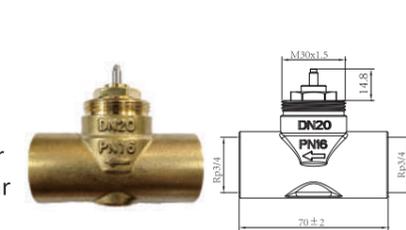


DN20-AT3
KVS: 2.1
口径: 3/4"
最大工作压差: 1bar
最大工作压力: 10bar
耐压: 5~100°C

Model	Specification	Maximum static pressure	Maximum differential pressure	Temperature resistance	KVS
DN20-AT2	3/4"	10bar	1bar	5~100°C	2.21
DN20-AT3	3/4"	10bar	1bar	5~100°C	2.1

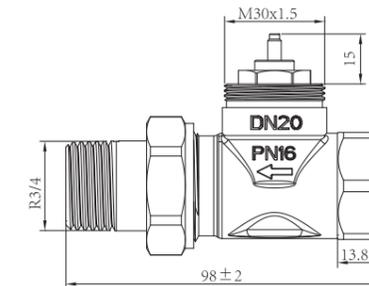


DN20-AT4
KVS: 2.1
口径: 3/4"
最大工作压差: 1bar
最大工作压力: 10bar
耐温: 5~100°C



VB12I20A
KVS: 4.5
口径: 3/4"
最大工作压差: 1bar
最大工作压力: 10bar
耐温: 5~100°C

Model	Specification	Maximum static pressure	Maximum differential pressure	Temperature resistance	KVS
DN20-AT4	3/4"	10bar	1bar	5~100°C	2.1
VB12I120A	3/4"	10bar	1bar	5~100°C	4.5



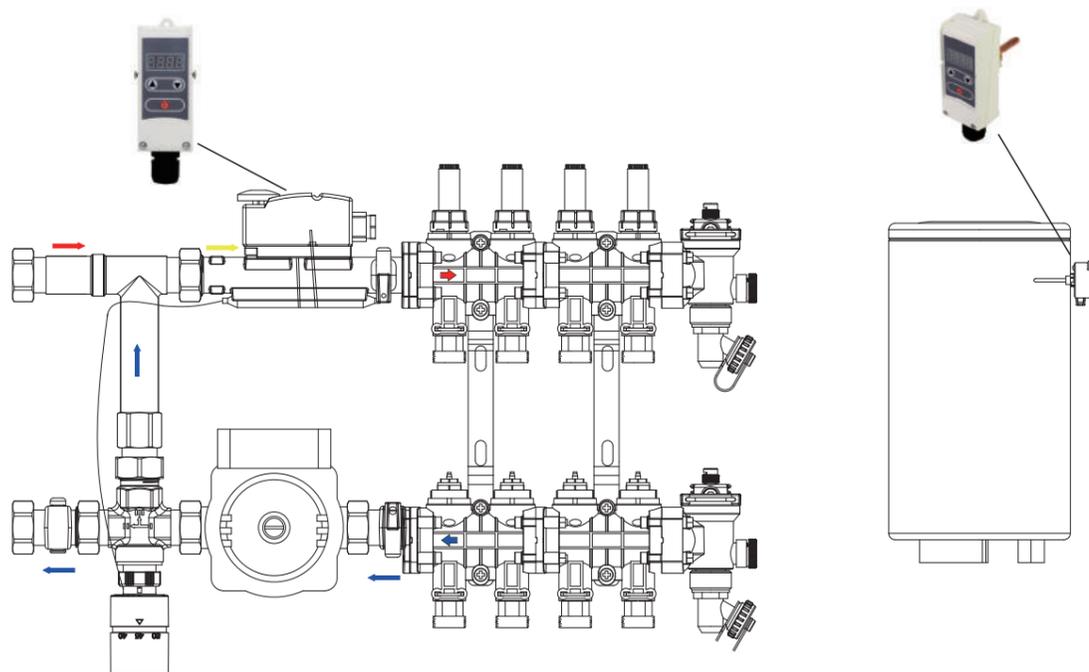
VB10I20A
KVS: 5.2
口径: 3/4"
最大工作压差: 1bar
最大工作压力: 10bar
耐温: 5~100°C

Model	Specification	Maximum static pressure	Maximum differential pressure	Temperature resistance	KVS
VB10I120A	3/4"	10bar	1bar	5~100°C	5.2

Electric pipe thermostat

应用于管道、锅炉的温度控制。

Control the temperature of piping and boiler, immersion thermostat with immersion rod and immersion sleeve, temperature set by knob or internal adjustable by screw driver.



DSA681BB

工作电源: 250VAC/5(1)A
 温度设定: 5~80°C
 水泵高低设定温度: H69.9~85°C L20~69.9°C
 差动最小调节: 0.1°C
 差动调节范围: 0.1~15°C
 温度精度: ±1.5°C
 最大耐温: 80°C
 传感器最大耐温: 100°C
 防护等级: IP40

Model	Supply power	Temperature range	Differential minimum adjustment	Differential adjustment range	Temperature accuracy
DSA681BB	250VAC/5(1)A	5~80°C	0.1°C	0.1~15°C	±1.5°C
Pump high and low set temperature	Temperature resistance	Maximum temperature resistance of the sensor	Protection		
H69.9~85°C L20~69.9°C	80°C	100°C	IP40		

Electric pipe thermostat



DSA681BA

工作电源: 250VAC/5(1)A
 温度设定: 5~90°C
 水泵高低设定温度: H69.9~85°C L20~69.9°C
 差动最小调节: 0.1°C
 差动调节范围: 0.1~15°C
 温度精度: ±1°C
 最大耐温: 80°C
 传感器最大耐温: 100°C
 防护等级: IP40

Model	Supply power	Temperature range	Differential minimum adjustment	Differential adjustment range	Temperature accuracy
DSA681BA	250VAC/5(1)A	5~90°C	0.1°C	0.1~15°C	±1°C
Pump high and low set temperature	Temperature resistance	Maximum temperature resistance of the sensor	Protection		
H69.9~85°C L20~69.9°C	80°C	100°C	IP40		



DSB681BA

工作电源: 250VAC/5(1)A
 温度设定: 5~80°C
 水泵高低设定温度: H69.9~85°C L20~69.9°C
 差动最小调节: 0.1°C
 差动调节范围: 0.1~15°C
 温度精度: ±1°C
 最大耐温: 80°C
 传感器最大耐温: 100°C
 防护等级: IP40

Model	Supply power	Temperature range	Differential minimum adjustment	Differential adjustment range	Temperature accuracy
DSB681BA	250VAC/5(1)A	5~80°C	0.1°C	0.1~15°C	±1°C
Pump high and low set temperature	Temperature resistance	Maximum temperature resistance of the sensor	Protection		
H69.9~85°C L20~69.9°C	80°C	100°C	IP40		



Pipe thermostat



WPR-90GA
 工作电源: 16(4)A 250VAC
 工作温度范围: 0~90°C
 差动: 5°C
 防护等级: IP40
 铜管尺寸: ϕ 8x100mm
 螺纹: NPT1/2"



GB-0/90A
 工作电源: 16(4)A 250VAC
 工作温度范围: 0~90°C
 差动: 5°C \pm 3°C
 防护等级: IP40

Model	Supply power	Temperature range	Switching differential	Protection	Pocket size	Thread
WPR-90GA	16(4)A250VAC	0~90°C	5°C	IP40	ϕ 8x100mm	NPT 1/2"
GB-0/90A	16(4)A250VAC	0~90°C	5°C \pm 3°C	IP40		



WPR-90GA-2
 工作电源: 16(4)A 250VAC
 工作温度范围: 0~90°C
 差动: 5°C
 防护等级: IP40
 铜管尺寸: ϕ 8x100mm
 螺纹: NPT1/2"



GB-0/90A-2
 工作电源: 16(4)A 250VAC
 工作温度范围: 0~90°C
 差动: 5°C \pm 3°C
 防护等级: IP40

Model	Supply power	Temperature range	Switching differential	Protection	Pocket size	Thread
WPR-90GA-2	16(4)A250VAC	0~90°C	5°C	IP40	ϕ 8x100mm	NPT 1/2"
GB-0/90A-2	16(4)A250VAC	0~90°C	5°C \pm 3°C	IP40		



GB-40/80A
 工作电源: 16(4)A 250VAC
 工作温度范围: 40~80°C
 差动: 5°C \pm 3°C
 防护等级: IP40



GH-0/90A
 工作电源: 16(4)A 250VAC
 工作温度范围: 0~90°C
 差动: 4°C \pm 2
 防护等级: IP40

Model	Supply power	Temperature range	Switching differential	Protection
GB-40/80A	16(4)A250VAC	40~80°C	5°C \pm 3°C	IP40
GH-0/90A	16(4)A250VAC	0~90°C	4°C \pm 2	IP40



Pipe thermostat



WPR-90GC
 工作电源: 16(4)A 250VAC
 工作温度范围: 0~90°C
 差动: 4°C \pm 2
 防护等级: IP40



WPR-90CK
 工作电源: 16(4)A 250VAC
 工作温度范围: 0~90°C
 差动: 4°C \pm 2
 防护等级: IP40
 铜管尺寸: ϕ 16x100mm
 螺纹: R1/2"

Model	Supply power	Temperature range	Switching differential	Protection	Pocket size	Thread
WPR-90GC	16(4)A250VAC	0~90°C	4°C \pm 2	IP40		
WPR-90CK	16(4)A250VAC	0~90°C	4°C \pm 2	IP40	ϕ 16x100mm	R1/2"

铜管组件 Immersion sleeve



W10-G31



W10-C26



W10-C27



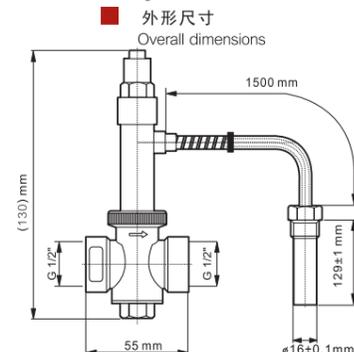
W10-C35



ST10-003

产品名称 Model	铜管尺寸 Pocket size	螺纹 Thread	材质 Texture
W10-G31	ϕ 8x100mm	NPT 1/2"	黄铜 Brass
W10-C26	ϕ 16x100mm	R 1/2"	黄铜 Brass
W10-C27	ϕ 12.3x135mm	M20X1.5mm	碳素钢 Carbon steel
W10-C35	ϕ 16x225mm	—	碳素钢 Carbon steel
ST10-003	ϕ 10x110mm	R 1/2"	不锈钢 Stainless steel

超温保护泄压阀 Thermal safety drain Series

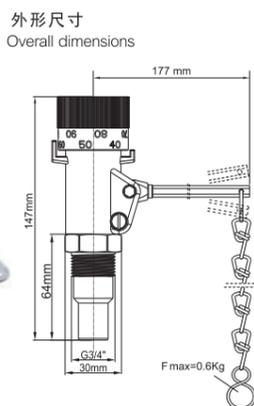


■ 外形尺寸
Overall dimensions

■ 主要适用于锅炉等温度过热器具的保护
Overheat protection of boiler.

产品名称 Model	进/出口接头 Inlet/outlet connections	毛细管 Capillary length	设定温度 Setting temperature	最大工作压力 Max. operating pressure	最大流体温度 maximum fluid temperature	排水量 Drain capacity
YC-1	G1/2"	1500 mm	97°C	10 bar	107°C	DP= 0.1 bar , 600 L/h

炉门温控 Draught regulator

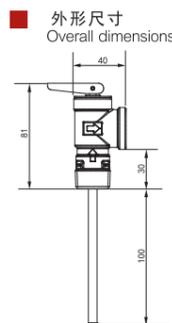


■ 外形尺寸
Overall dimensions

■ 主要适用于煤炉及柴炉的炉门温度控制, 当温度升高时炉门关闭。
The thermal safety discharge is installed in systems with boilers running on non atomized solid fuel, as protection against over temperature.

产品名称 Model	热敏感元件 Heat sensitive element	温度调节范围 Temperature range	行程 Stroke	最大流体温度 maximum fluid temperature	链长度 Chain Length
BR-01	蜡阀芯 Wax sensor	30~90°C	90mm	115°C	1200 mm

PT安全阀 Temperature and pressure safety relief valve



■ 外形尺寸
Overall dimensions

■ 适用于储水式电热水器、燃气热水器、太阳能热水器以及各种压力容器的安全防爆。
Suitable for storage-type electric water heaters, gas water heaters, solar water heaters and safety and explosion prevention of pressure vessel.

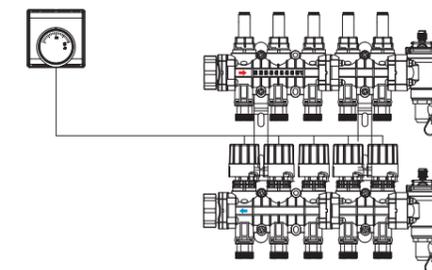
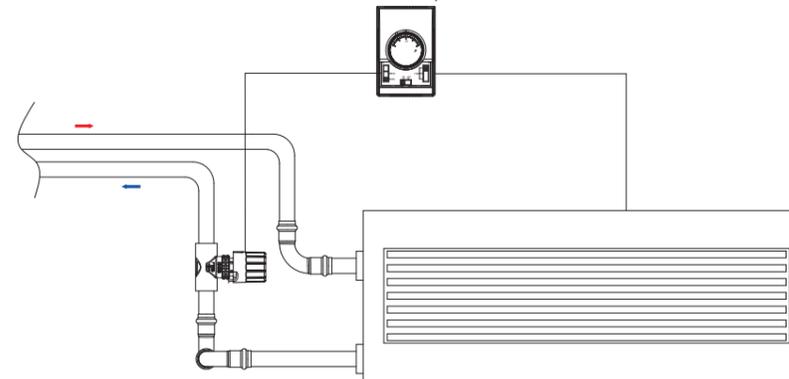
■ 强制手动泄压
Mandatory manual pressure

产品名称 Model	热泄压温度 Temperature Relief	安全泄压 Pressure Relief Range	负压保护 Negative pressure protection	安装螺纹 Installation size
PT-01	94~99°C	0.4~1.0MPa	300~350KPa	R 3/4"

Electronic room thermostat

■ 房间温控器,内置感温膜盒,可根据设定温度,自动控制执行器通断电,从而达到控制阀门流量的目的;主要用于控制中央空调系统或地暖系统中阀门的开启或关闭,达到控制室温的作用。

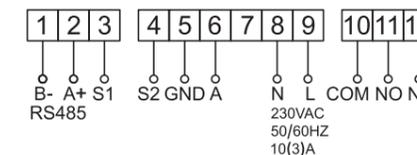
Room temperature controller, built-in temperature sensing membrane box, can automatically control the actuator on and off according to the set temperature, so as to control the flow of the valve; mainly used to control the opening or closing of the valve in the central air-conditioning system or floor heating system, To achieve the role of controlling room temperature; floor heating or central air-conditioning system valves. It is linked with the room thermostat to control the room temperature.



DD-01

工作电源: 100~240VAC
工作温度范围: 5~45°C
环境温度: 0~50°C
温度精度: ±1°C
最大负载电流: 10(3)A
防护等级: IP40
外形尺寸: 88x83x36mm

线路图
Wiring diagram



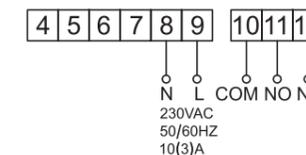
Model	Supply power	Temperature range	Temperature accuracy	Temperature	Protection	Maximum load	Dimensions
DD-01	100~240VAC	5~45°C	±1°C	0~50°C	IP40	10(3)A	88X83X36mm



DD-02

工作电源: 100~240VAC
工作温度范围: 5~45°C
环境温度: 0~50°C
温度精度: ±1°C
最大负载电流: 10(3)A
防护等级: IP40
外形尺寸: 88x83x36mm

线路图
Wiring diagram



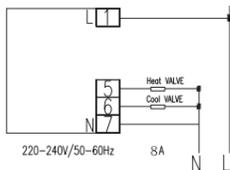
Model	Supply power	Temperature range	Temperature accuracy	Temperature	Protection	Maximum load	Dimensions
DD-02	100~240VAC	5~45°C	±1°C	0~50°C	IP40	10(3)A	88X83X36mm

Electronic room thermostat



DD-05
 工作电源: 100~240VAC
 工作温度范围: 5~45°C
 环境温度: 0~50°C
 温度精度: ±1°C
 最大负载电流: 8A
 防护等级: IP40
 外形尺寸: 108x88x21mm

线路图
Wiring diagram



Model	Supply power	Temperature range	Temperature accuracy	Ambient temperature	Protection	Maximum load	Dimensions
DD-05	100~240VAC	5~45°C	±1°C	0~50°C	IP40	8A/250V	108X88X21mm

Electronic room thermostat



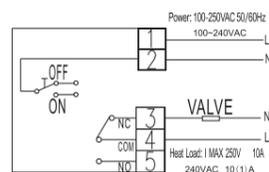
DD-08
 工作电源: 230VAC
 工作温度范围: 5~45°C
 环境温度: 0~50°C
 温度精度: ±1°C
 防护等级: IP40
 行程: 4mm/5mm
 功率: 2.5W

Model	Supply power	Temperature range	Temperature accuracy	Temperature	Protection	Stroke	Power
DD-08	230VAC	5~45°C	±1°C	0~50°C	IP44	4mm/5mm	2.5W



DD-06
 工作电源: 100~240VAC
 工作温度范围: 5~45°C
 环境温度: 0~50°C
 温度精度: ±1°C
 最大负载电流: 10(1)A
 防护等级: IP40
 外形尺寸: 108x88x21mm

线路图
Wiring diagram

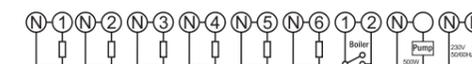


Model	Supply power	Temperature range	Temperature accuracy	Temperature	Protection	Maximum load	Dimensions
DD-06	100~240VAC	5~45°C	±1°C	0~50°C	IP40	10(1)A	108X88X21mm



DKB612AA
 工作电源: 100~240VAC
 环境温度: 0~50°C
 最大负载电流: 5A
 外形尺寸: 105x94x60mm

线路图
Wiring diagram



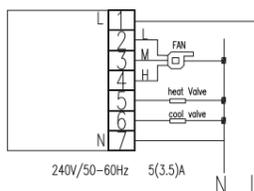
功能: 无线接收、壁挂炉联动, 延时设定, 控制系统温度。
 Function: wireless receiving, wall-hung boiler linkage, delay setting, control system temperature.

Model	Supply power	Temperature	Maximum load	Dimensions
DKB612AA	100~240VAC	0~50°C	5A	105X94X60mm



DD-07A
 工作电源: 100~240VAC
 工作温度范围: 5~45°C
 环境温度: 0~50°C
 温度精度: ±1°C
 最大负载电流: 5(3.5)A
 防护等级: IP40
 外形尺寸: 108x88x21mm

线路图
Wiring diagram

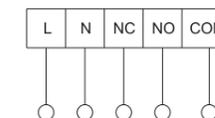


Model	Supply power	Temperature range	Temperature accuracy	Temperature	Protection	Maximum load	Dimensions
DD-07A	100~240VAC	5~45°C	±1°C	0~50°C	IP40	5(3.5)A	108X88X21mm



DSD601AA
 工作电源: 100~240VAC
 工作温度范围: -35~105°C
 环境温度: -45~115°C
 温度精度: ±1°C
 最大负载电流: 30A
 防护等级: IP42
 外形尺寸: 171x63x53mm

线路图
Wiring diagram



Model	Supply power	Temperature range	Temperature accuracy	Temperature	Protection	Maximum load	Dimensions
DSD601AA	100~240VAC	-35~105°C	±1°C	-45~115°C	IP42	30A	171X63X53mm



Electronic room thermostat



型号 Model	电源电压 Supply power	控制方式 Control method	冷暖类型 Heat /Cool	应用 Application	温度范围 Temperature range	防护等级 Protection	功能 Features
DTA601BA	100~240VAC	有线连接控制 Wired connection control	制热 Heating	水采暖 Water heating	5~45°C	IP30	一种运行模式 A mode of operation
DTA671BA	100~240VAC	有线连接控制 Wired connection control	制热 Heating	电采暖 Electric heating	5~45°C	IP30	一种运行模式 A mode of operation
DTA702BB	2节7号电池 AAA battery x2	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热 Heating	水采暖 Water heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DTA772BB	2节7号电池 AAA battery x2	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热 Heating	电采暖 Electric heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DTA601BB	100~240VAC	有线连接控制 Wired connection control	制热 Heating	水采暖 Water heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DTA671BB	100~240VAC	有线连接控制 Wired connection control	制热 Heating	电采暖 Electric heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DTA602BB	100~240VAC	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热 Heating	水采暖 Water heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DTA672BB	100~240VAC	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热 Heating	电采暖 Electric heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DTA605BB	100~240VAC	有线连接控制, 带通讯协议 Wired connection control With communication protocol	制热 Heating	水采暖 Water heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DTA675BB	100~240VAC	有线连接控制, 带通讯协议 Wired connection control With communication protocol	制热 Heating	电采暖 Electric heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming



Electronic room thermostat

型号 Model	电源电压 Supply power	控制方式 Control method	冷暖类型 Heat /Cool	应用 Application	温度范围 Temperature range	防护等级 Protection	功能 Features
DTA722BC	2节7号电池 AAA battery x2	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热、制冷 Heating, Refrigeration	空调 Air conditioning	5~45°C	IP30	四种运行模式, 三档风速 调节, 7天6时段编程 Four operating modes, Third gear wind speed adjustment, 7 days and 6 periods of programming.
DTA621BC	100~240VAC	有线连接控制 Wired connection control	制热、制冷 Heating, Refrigeration	空调 Air conditioning	5~45°C	IP30	四种运行模式, 三档风速 调节, 7天6时段编程 Four operating modes, Third gear wind speed adjustment, 7 days and 6 periods of programming.
DTA622BC	100~240VAC	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热、制冷 Heating, Refrigeration	空调 Air conditioning	5~45°C	IP30	四种运行模式, 三档风速 调节, 7天6时段编程 Four operating modes, Third gear wind speed adjustment, 7 days and 6 periods of programming.
DTA631BC	100~240VAC	有线连接控制, 带0~10VDC输出 Wired connection control 0~10VDC output	制热、制冷 Heating, Refrigeration	空调 Air conditioning	5~45°C	IP30	四种运行模式, 无极变速 调节, 7天6时段编程 Four operating modes, Stepless speed adjustment, 7 days and 6 periods of programming.
DTA625BC	100~240VAC	有线连接控制, 带通讯协议 Wired connection control With communication protocol	制热、制冷 Heating, Refrigeration	空调 Air conditioning	5~45°C	IP30	四种运行模式, 三档风速 调节, 7天6时段编程 Four operating modes, Third gear wind speed adjustment, 7 days and 6 periods of programming.
DTA762BC	2节7号电池 AAA battery x2	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热 Heating	水地暖+壁挂炉 Water floor heating + wall-hung boiler	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DTA662BC	100~240VAC	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热 Heating	水地暖+壁挂炉 Water floor heating + wall-hung boiler	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DTA711BC	2节7号电池 AAA battery x2	有线连接控制 Wired connection control	制热 Heating	水地暖+空调 Water floor heating + wall-hung boiler	5~45°C	IP30	四种运行模式, 三档风速 调节, 7天6时段编程 Four operating modes, Third gear wind speed adjustment, 7 days and 6 periods of programming.
DTA611BC	100~240VAC	有线连接控制 Wired connection control	制热 Heating	水地暖+空调 Water floor heating + wall-hung boiler	5~45°C	IP30	四种运行模式, 三档风速 调节, 7天6时段编程 Four operating modes, Third gear wind speed adjustment, 7 days and 6 periods of programming.



Electronic room thermostat



型号 Model	电源电压 Supply power	控制方式 Control method	冷暖类型 Heat /Cool	应用 Application	温度范围 Temperature range	防护等级 Protection	功能 Features
DCA601AA	100~240VAC	有线连接控制 Wired connection control	制热 Heating	水采暖 Water heating	5~45°C	IP30	一种运行模式 A mode of operation
DCA671AA	100~240VAC	有线连接控制 Wired connection control	制热 Heating	电采暖 Electric heating	5~45°C	IP30	一种运行模式 A mode of operation
DCA702AB	2节7号电池 AAA battery x2	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热 Heating	水采暖 Water heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DCA772AB	2节7号电池 AAA battery x2	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热 Heating	电采暖 Electric heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DCA601AB	100~240VAC	有线连接控制 Wired connection control	制热 Heating	水采暖 Water heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DCA671AB	100~240VAC	有线连接控制 Wired connection control	制热 Heating	电采暖 Electric heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DCA602AB	100~240VAC	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热 Heating	水采暖 Water heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DCA672AB	100~240VAC	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热 Heating	电采暖 Electric heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DCA605AB	100~240VAC	有线连接控制, 带通讯协议 Wired connection control With communication protocol	制热 Heating	水采暖 Water heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming
DCA675AB	100~240VAC	有线连接控制, 带通讯协议 Wired connection control With communication protocol	制热 Heating	电采暖 Electric heating	5~45°C	IP30	四种运行模式, 7天6时段编程 Four operating modes, 7 days and 6 periods of programming



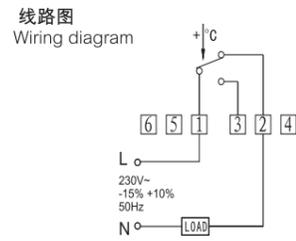
Electronic room thermostat

型号 Model	电源电压 Supply power	控制方式 Control method	冷暖类型 Heat /Cool	应用 Application	温度范围 Temperature range	防护等级 Protection	功能 Features
DCA722AC	2节7号电池 AAA battery x2	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热、制冷 Heating, Refrigeration	空调 Air conditioning	5~45°C	IP30	四种运行模式, 三档风速 调节, 7天6时段编程 Four operating modes, Third gear wind speed adjustment, 7 days and 6 periods of programming.
DCA621AC	100~240VAC	有线连接控制 Wired connection control	制热、制冷 Heating, Refrigeration	空调 Air conditioning	5~45°C	IP30	四种运行模式, 三档风速 调节, 7天6时段编程 Four operating modes, Third gear wind speed adjustment, 7 days and 6 periods of programming.
DCA622AC	100~240VAC	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热、制冷 Heating, Refrigeration	空调 Air conditioning	5~45°C	IP30	四种运行模式, 三档风速 调节, 7天6时段编程 Four operating modes, Third gear wind speed adjustment, 7 days and 6 periods of programming.
DCA631AC	100~240VAC	有线连接控制, 带0~10VDC输出 Wired connection control 0~10VDC output	制热、制冷 Heating, Refrigeration	空调 Air conditioning	5~45°C	IP30	四种运行模式, 无极变速 调节, 7天6时段编程 Four operating modes, Stepless speed adjustment, 7 days and 6 periods of programming.
DCA625AC	100~240VAC	有线连接控制, 带通讯协议 Wired connection control With communication protocol	制热、制冷 Heating, Refrigeration	空调 Air conditioning	5~45°C	IP30	四种运行模式, 三档风速 调节, 7天6时段编程 Four operating modes, Third gear wind speed adjustment, 7 days and 6 periods of programming.
DCA762AC	2节7号电池 AAA battery x2	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热 Heating	水地暖+壁挂炉 Water floor heating + wall-hung boiler	5~45°C	IP30	四种运行模式, 7天6时段 编程 Four operating modes, 7 days and 6 periods of programming
DCA662AC	100~240VAC	无线, 室内500米 室外1000米 Wireless, 500 meters indoors, 1000 outdoors.	制热 Heating	水地暖+壁挂炉 Water floor heating + wall-hung boiler	5~45°C	IP30	四种运行模式, 7天6时段 编程 Four operating modes, 7 days and 6 periods of programming
DCA711AC	2节7号电池 AAA battery x2	有线连接控制 Wired connection control	制热 Heating	水地暖+空调 Water floor heating + wall-hung boiler	5~45°C	IP30	四种运行模式, 三档风速 调节, 7天6时段编程 Four operating modes, Third gear wind speed adjustment, 7 days and 6 periods of programming.
DCA611AC	100~240VAC	有线连接控制 Wired connection control	制热 Heating	水地暖+空调 Water floor heating + wall-hung boiler	5~45°C	IP30	四种运行模式, 三档风速 调节, 7天6时段编程 Four operating modes, Third gear wind speed adjustment, 7 days and 6 periods of programming.

Room thermostat



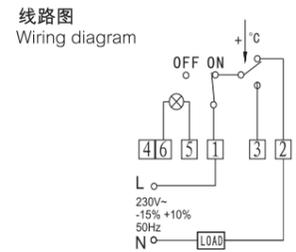
TR-90
 工作电源: 10(3)A 230VAC
 工作温度范围: 5~30°C
 差动: 0.5~1°C
 温度精度: ±1°C
 感温元件: 充气式膜盒
 防护等级: IP30
 外形尺寸: 80x80x38mm



Model	Supply power	Temperature range	Temperature accuracy	Switching differential	Protection	Sensor type	Dimensions
TR-90	10(3)A 230VAC	5~30°C	±1°C	0.5~1°C	IP30	Gas filled syphon	80X80X38mm



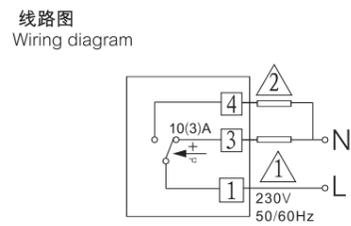
TR-93
 工作电源: 10(3)A 230VAC
 工作温度范围: 5~30°C
 差动: 0.5~1°C
 温度精度: ±1°C
 感温元件: 充气式膜盒
 防护等级: IP20
 外形尺寸: 80x80x38mm



Model	Supply power	Temperature range	Temperature accuracy	Switching differential	Protection	Sensor type	Dimensions
TR-93	10(3)A 230VAC	5~30°C	±1°C	0.5~1°C	IP20	Gas filled syphon	80X80X38mm



TR-010
 工作电源: 10(3)A 230VAC
 工作温度范围: 10~30°C
 差动: 0.5~1°C
 温度精度: ±1°C
 感温元件: 充气式膜盒
 防护等级: IP20
 外形尺寸: 83x83x38mm

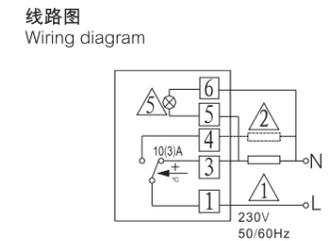


Model	Supply power	Temperature range	Temperature accuracy	Switching differential	Protection	Sensor type	Dimensions
TR-010	10(3)A 230VAC	10~30°C	±1°C	0.5~1°C	IP20	Gas filled syphon	83X83X38mm

Room thermostat



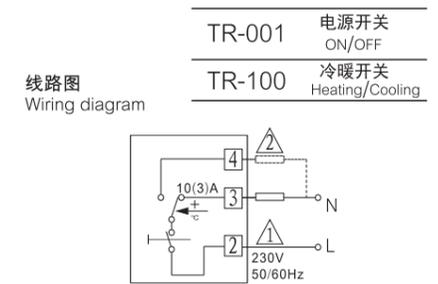
TR-010X
 工作电源: 10(3)A 230VAC
 工作温度范围: 10~30°C
 差动: 0.5~1°C
 温度精度: ±1°C
 感温元件: 充气式膜盒
 防护等级: IP20
 外形尺寸: 83x83x38mm



Model	Supply power	Temperature range	Temperature accuracy	Switching differential	Protection	Sensor type	Dimensions
TR-010X	10(3)A 230VAC	10~30°C	±1°C	0.5~1°C	IP20	Gas filled syphon	83X83X38mm



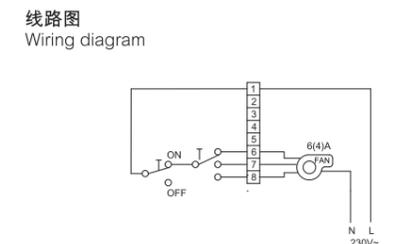
TR-001/TR100
 工作电源: 10(3)A 230VAC
 工作温度范围: 5~30°C
 差动: 0.5~1°C
 温度精度: ±1°C
 感温元件: 充气式膜盒
 防护等级: IP20
 外形尺寸: 83x83x38mm



Model	Supply power	Temperature range	Temperature accuracy	Switching differential	Protection	Sensor type	Dimensions
TR-001/TR100	10(3)A 230VAC	5~30°C	±1°C	0.5~1°C	IP20	Gas filled syphon	83X83X38mm



TR-16
 工作电源: 6(4)A 230VAC
 外形尺寸: 83x83x27mm



Model	Supply power	Dimensions
TR-16	6(4)A 230VAC	83X83X27mm

Room thermostat



TR-110A TR-110M
TR-110B/TR-110C/TR-110D

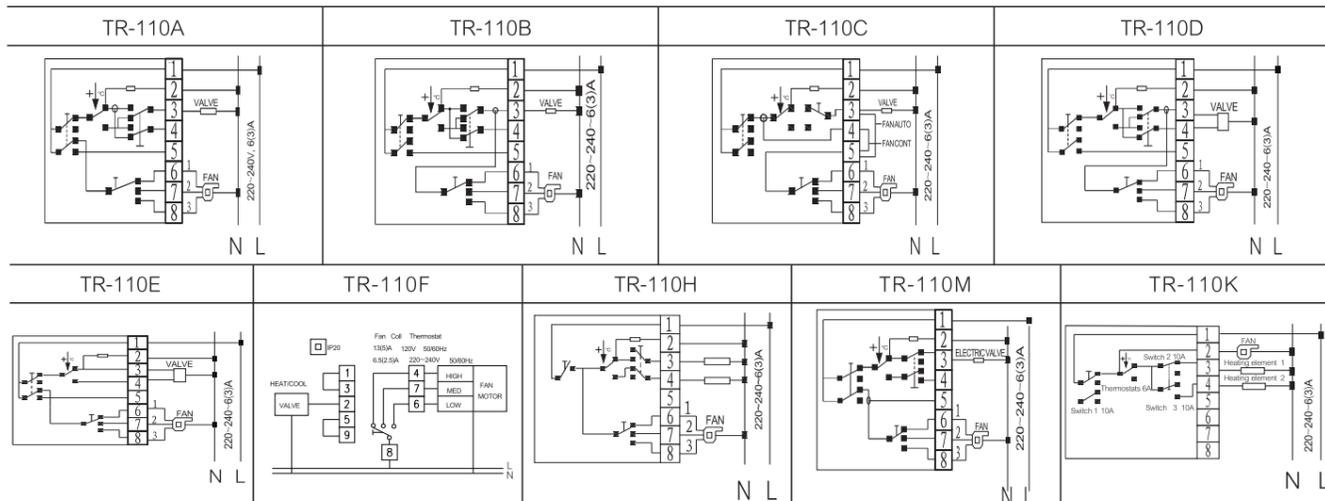
TR-110E

TR-110F

TR-110H

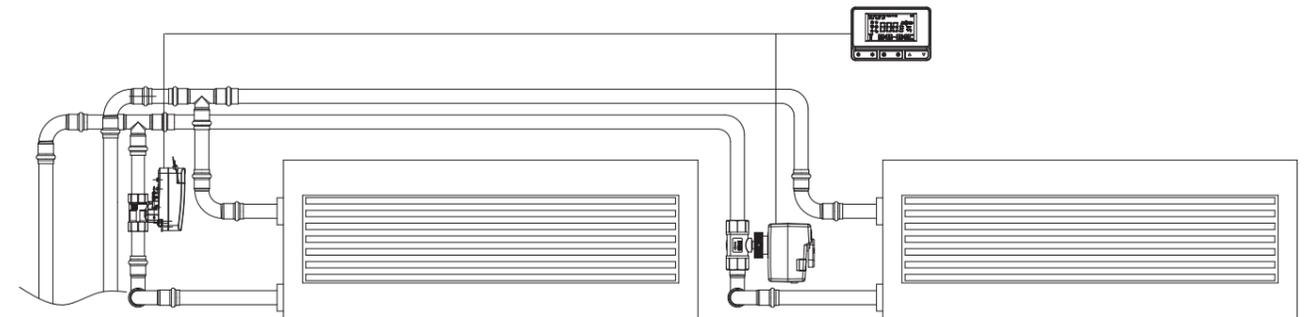
TR-110K

产品名称 Model	TR-110A	TR-110B	TR-110C	TR-110D	TR-110E	TR-110F	TR-110H	TR-110M	TR-110K
工作温度范围 Temperature range	10~30°C	10~30°C	10~30°C	10~30°C	10~30°C	10~30°C	10~30°C	10~30°C	10~30°C
工作电压 Rated power supply	6(3)A 220~240VAC	6(3)A 220~240VAC	6(3)A 220~240VAC	6(3)A 220~240VAC	6(3)A 220~240VAC	6.5(2.5)A 220~240VAC	6(3)A 220~240VAC	6(3)A 220~240VAC	6(3)A 220~240VAC
差动 Switching differential	0.5~1°C	0.5~1°C	0.5~1°C	0.5~1°C	0.5~1°C	0.5~1°C	0.5~1°C	0.5~1°C	0.5~1°C
独立的系统控制开关 Independent system of control switch	■	■	■	■	■	—	■	■	■
手动三档风速转换 3-speed switch manual	■	■	■	■	■	■	■	■	—
自动控制电动阀, 风机不受温度开关控制 Automatic control of electric valve, Fan is not controlled by the thermostat switch	■	—	—	—	■	—	—	■	—
自动控制电动阀和风机 Automatic electric valve and fan automatic	—	■	■	■	—	—	—	—	—
风机控制与冷暖功能转换组合在同一拨动体上 Heat-fan-cool controlled by a single switch	—	—	—	—	—	—	■	—	—
风机由温度开关自动控制 The fan is controlled by the thermostat switch automatically	—	—	—	—	—	—	—	—	■
两组加热器可独立控制 Individual control for two heating elements	—	—	—	—	—	—	—	—	■
适用于单制式温度控制 Applies to the single pole control system	—	—	—	—	■	—	—	—	—
冷暖切换开关 Heat-cool switch;	■	■	■	■	—	—	—	■	—
同一拨动开关控制系统与冷暖功能转换 Heat-fan-cool controlled by a single switch	—	—	—	—	—	■	—	—	—



Electric ball valve actuator

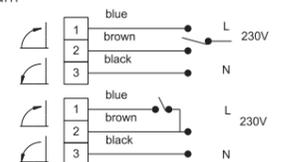
球阀执行器是电驱动性高效开关阀门执行器;主要用于控制中央空调系统阀门的开启或关闭,与房间温控器联动,达到控制室温的作用。
Ball valve actuator is an electrically driven high-efficiency switching valve actuator; it is mainly used to control the opening or closing of the valve of the central air conditioning system, and it is linked with the room temperature controller to achieve the role of controlling room temperature.



ZBC230K01

工作电源: 230VAC
功率: 运行2W保持0.5W
工作扭矩: 2Nm
防护等级: IP54
安装方式: 卡接式
功能: 3线单控或3线双控

线路图
Wiring diagram



Model	Supply power	Power	Torque	Installation method	Protection	Features
ZBC230K01	230VAC	Running:2W,Maintaining:0.5W	2Nm	Clamping	IP54	Single control or three wire dual control

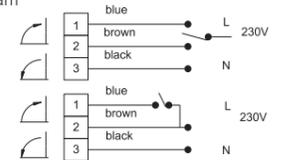


ZBC230K05

工作电源: 230VAC
功率: 运行2W保持0.5W
工作扭矩: 2Nm
防护等级: IP54
安装方式: 直压式
功能: 3线单控或3线双控

接线可选, 旋钮角度可通过限位块调整, 这可用于设置kv值
Optional wiring, The knob angle can be adjusted by the limit block, Which can be used to set the kv value

线路图
Wiring diagram



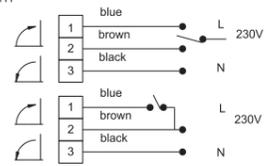
Model	Supply power	Power	Torque	Installation method	Protection	Features
ZBC230K05	230VAC	Running:2W,Maintaining:0.5W	2Nm	Direct pressure	IP54	Single control or three wire dual control

Electric ball valve actuator



ZBC230K08
 工作电源: 230VAC
 功率: 运行2W保持0.5W
 工作扭矩: 2Nm
 防护等级: IP54
 安装方式: 直压式
 功能: 单控/3线双控

线路图
Wiring diagram



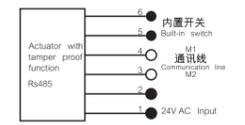
Model	Supply power	Power	Torque	Installation method	Protection	Features
ZBC230K08	230VAC	Running:2W,Maintaining:0.5W	2Nm	Direct pressure	IP54	Single control/3-wire dual control

Electric ball valve actuator



ZBC24M01
 工作电源: 24VAC
 功率: 运行2W保持0.5W
 工作扭矩: 2Nm
 防护等级: IP54
 安装方式: 卡接式
 功能: RS485通讯型

线路图
Wiring diagram

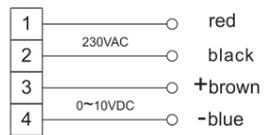


Model	Supply power	Power	Torque	Installation method	Protection	Features
ZBC24M01	24VAC	Running:2W,Maintaining:0.5W	2Nm	Card type	IP54	Rs485 communication

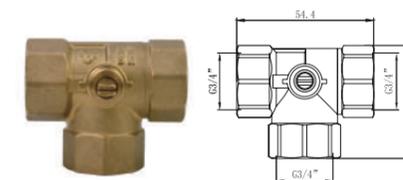


ZBC230A01
 工作电源: 230VAC
 功率: 运行2W保持0.5W
 工作扭矩: 2Nm
 防护等级: IP54
 安装方式: 卡接式
 功能: 0~10V调节型

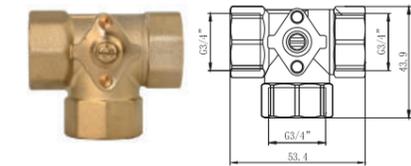
线路图
Wiring diagram



Model	Supply power	Power	Torque	Installation method	Protection	Features
ZBC230A01	230VAC	Running:2W,Maintaining:0.5W	2Nm	Clamping	IP54	0~10V adjustment



VB18F20A
 KVS: 9.86
 口径: 3/4"
 最大工作压差: 1bar
 最大工作压力:10bar
 耐温: 5~100°C



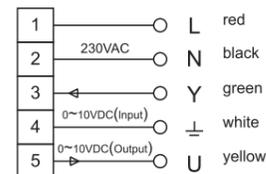
VB18F20B
 KVS: 9.86
 口径: 3/4"
 最大工作压差: 1bar
 最大工作压力:10bar
 耐压: 5~100°C

Model	Specification	Maximum static pressure	Maximum differential pressure	Temperature resistance	KVS
VB18F20A	1/2"	10bar	1bar	5~100°C	9.86
VB18F20B	1/2"	10bar	1bar	5~100°C	9.86

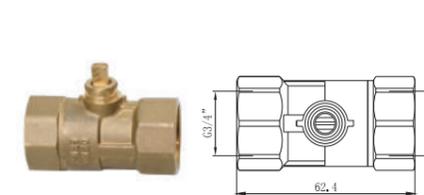


ZBC230F01
 工作电源: 230VAC
 功率: 运行2W保持0.5W
 工作扭矩: 2Nm
 防护等级: IP54
 安装方式: 直压式
 功能: 0~10V调节带反馈

线路图
Wiring diagram



Model	Supply power	Power	Torque	Installation method	Protection	Features
ZBC230F01	230VAC	Running:2W,Maintaining:0.5W	2Nm	Direct pressure	IP54	0~10V adjustment with feedback



VB19F20A
 KVS: 9.78
 口径: 3/4"
 最大工作压差: 1bar
 最大工作压力:10bar
 耐温: 5~100°C



VB19F20B
 KVS: 9.78
 口径: 3/4"
 最大工作压差: 1bar
 最大工作压力:10bar
 耐温: 5~100°C

Model	Specification	Maximum static pressure	Maximum differential pressure	Temperature resistance	KVS
VB19F20A	3/4"	10bar	1bar	5~100°C	9.78
VB19F20B	3/4"	10bar	1bar	5~100°C	9.78



Electric ball valve actuator

灵活多变的的功能设定
三线单控、三线双控、0-10V比例调节并带
输出反馈、Mbus通讯

Flexible function settings
Three-wire single control, three-wire dual control,
0-10V proportional adjustment with output feedback,
Mbus communication

正、反向工作状态切换
Normally open, normally closed working state
switching

无线接收功能
Wireless receiving function

电机运行时间可调
可根据具体应用的需求，在30到120S的范围内调节

Adjustable motor running time
Can be adjusted from 30 to 120S according to the
Needs of specific applications



尺寸大小：93x78x70mm
Size: 93x78x70mm

带温度控制功能
10-80°C温度可调
With function of temperature control
10-80 °C temperature adjustable

能耗节省
energy savings

带温差控制功能
温差可调，可冷暖切换
With function of temperature different
Control
Adjustable temperature difference, can
Switch between heating and cooling

液晶屏旋转功能
显示探测温度及设定温度，显示反馈电压
LCD screen rotation function
Display detection temperature and set temperature
Display feedback voltage

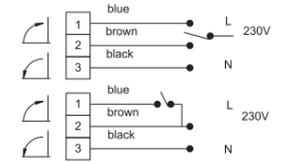


Electric ball valve actuator



ZBD230K01
工作电源：230VAC
功率：5W
工作扭矩：4Nm
运行时间：15S/90°
防护等级：IP42
安装螺母：M33X1.5

线路图
Wiring diagram

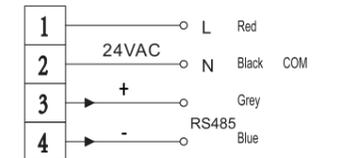


Model	Supply power	Power	Torque	Running time	Protection	Installation size
ZBD230K01	230VAC	5W	4Nm	15S/90°	IP42	M33X1.5



BA24-TT
工作电源：24VAC
扭矩：4Nm
环境温度：-5~50°C
运行时间：45S/90°
防护等级：IP40
介质温度：-20~100°C
通讯方式：RS485

线路图
Wiring diagram

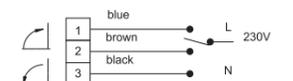


Model	Supply power	Ambient temperature	Torque	Running time	Protection	Communication method	Temperature of medium
BA24-TT	24VAC	-5~50°C	4Nm	45S/90°	IP40	RS485	-20°C~100°C



BA230-K
工作电源：230VAC
扭矩：4Nm
环境温度：-5~50°C
运行时间：45S/90°
防护等级：IP40
介质温度：-20~100°C
控制信号：开关信号

线路图
Wiring diagram



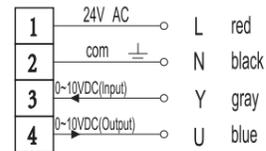
Model	Supply power	Temperature	Torque	Running time	Protection	Contol signal	Temperature of medium
BA230-K	230VAC	-5~50°C	4Nm	45S/90°	IP40	Switch signal	-20°C~100°C

Electric ball valve actuator



BA24-TF
 工作电源: 24VAC
 扭矩: 4Nm
 环境温度: -5~50°C
 运行时间: 45S/90°
 防护等级: IP40
 介质温度: -20~100°C
 控制信号: 调节反馈

线路图
Wiring diagram

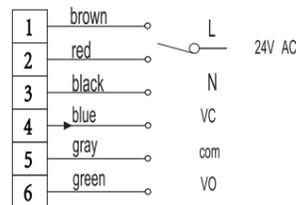


Model	Supply power	Temperature	Torque	Running time	Protection	Contol signal	Temperature of medium
BA24-TF	24VAC	-5~50°C	4Nm	45S/90°	IP40	Regulation feedback	-20°C~100°C



BA24-KF
 工作电源: 24VAC
 扭矩: 4Nm
 环境温度: -5~50°C
 运行时间: 45S/90°
 防护等级: IP40
 介质温度: -20~100°C
 控制信号: 开关反馈

线路图
Wiring diagram



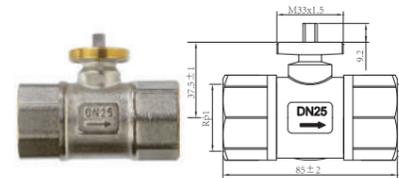
Model	Supply power	Temperature	Torque	Running time	Protection	Contol signal	Temperature of medium
BA24-KF	24VAC	-5~50°C	4Nm	45S/90°	IP40	Switch signal	-20°C~100°C



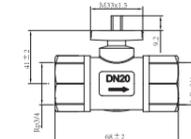
BA24-WK
 工作电源: 24VAC
 扭矩: 4Nm
 环境温度: -5~50°C
 运行时间: 45S/90°
 防护等级: IP40
 介质温度: -20~100°C
 控制信号: 通讯接口
 温度范围: 20~80°C

Model	Supply power	Temperature	Torque	Running time	Protection	Temperature range	Temperature of medium
BA24-WK	24VAC	-5~50°C	4Nm	45S/90°	IP40	20°C~80°C	-20°C~100°C

Matching valve

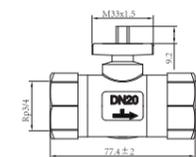


BV25-A2
 KVS: 8.7
 口径: 1"
 最大压差: 1bar
 最大工作压力: 10bar
 耐温: 5~100°C



BV20-A3
 KVS: 7.24
 口径: 3/4"
 最大压差: 1bar
 最大工作压力: 10bar
 耐温: 5~100°C

Model	Specification	Maximum static pressure	Maximum differential pressure	Temperature resistance	KVS
BV25-A2	1"	10bar	1bar	5~100°C	8.7
BV20-A3	3/4"	10bar	1bar	5~100°C	7.24



BV20-ST1
 KVS: 9.3
 口径: 3/4"
 最大压差: 1bar
 最大工作压力: 10bar
 耐温: 5~100°C

Model	Specification	Maximum static pressure	Maximum differential pressure	Temperature resistance	KVS
BV20-ST1	3/4"	10bar	1bar	5~100°C	9.3

Manifold



WKA05C01
 接口螺纹: G1¼"
 主管通径: 37mm
 主管间距: 210mm
 支管间距: 50mm
 最大压差: 1bar
 最大工作压力: 5bar
 最大试压: 6bar

最高排气压力: 6bar
 工作温度: 2~60°C
 最高耐温: 75°C
 流量计: 0~5L/min
 适用介质: 水、30%乙二醇溶液
 温度感应标贴范围: 34~50°C
 支路流量: KVS 1.0³m/h
 主管流量: KVS 5³m/h

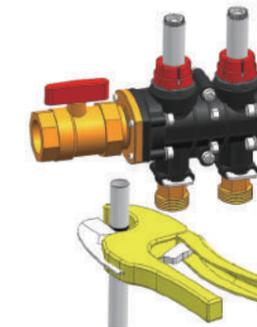
Mode	Interface thread	Main tube dia	Distance between main tubes	Distance between Branch pipe spacing	Max. Pressure difference	Max. Working pressure
WKA05C01	G1¼"	37mm	210mm	50mm	1bar	5bar
Max. Testing pressure	Imaximum exhaust pressure	Operating temperature	Maximum temperature resistance	Flowmeter	Applicable medium	
6bar	6bar	2~60°C	75°C	0~5L/min	Water, 30%glycol solution	
Temperature sensing label range		Tributary flow	Main flow			
34~50°C		KVS1.0³m/h	KVS 5³m/h			

Mode	口径/Caliber	支路数/Number of branches	支路口径/Bypass caliber
WKA02C01	1	X2	¾"
WKA03C01	1	X3	¾"
WKA04C01	1	X4	¾"
WKA05C01	1	X5	¾"
WKA06C01	1	X6	¾"
WKA07C01	1	X7	¾"
WKA08C01	1	X8	¾"
WKA09C01	1	X9	¾"
WKA10C01	1	X10	¾"
WKA11C01	1	X11	¾"
WKA12C01	1	X12	¾"

Manifold



在管道末尾做个标记
 Make a mark at the end of the pipe



水平切割管道
 Cut pipe horizontally



固定好适配器和管道配件
 Fix the adapter and pipe fittings.



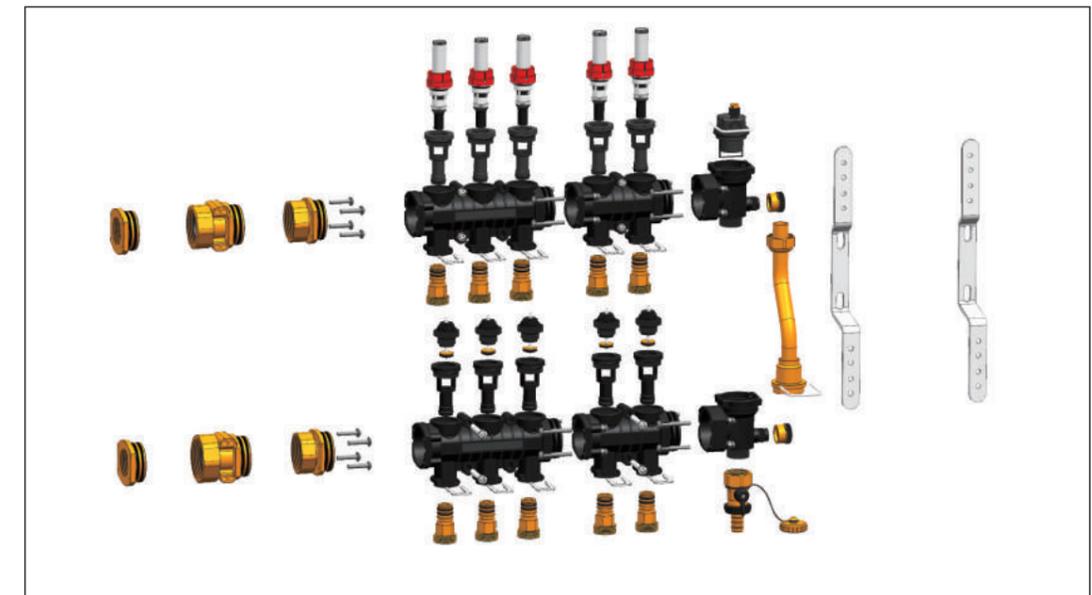
不要将带有适配器的管子，
 连接至分水器固定
 Do not connect the pipe with
 adapter to manifold before fixing it!



固定好适配器和管道配件，使用转接器，
 在槽内插入装配夹
 Secure the adapter and pipe fittings, use the
 adapter, and insert the mounting clip into the
 slot.



连接系统测试泵至末端配件的填充阀
 将整个回路加压至最大6bar的压力
 Connect the system test pump to the
 filling valve of the end fitting.
 Pressurize the entire circuit to a pressure
 of up to 6 bar for the specified time.



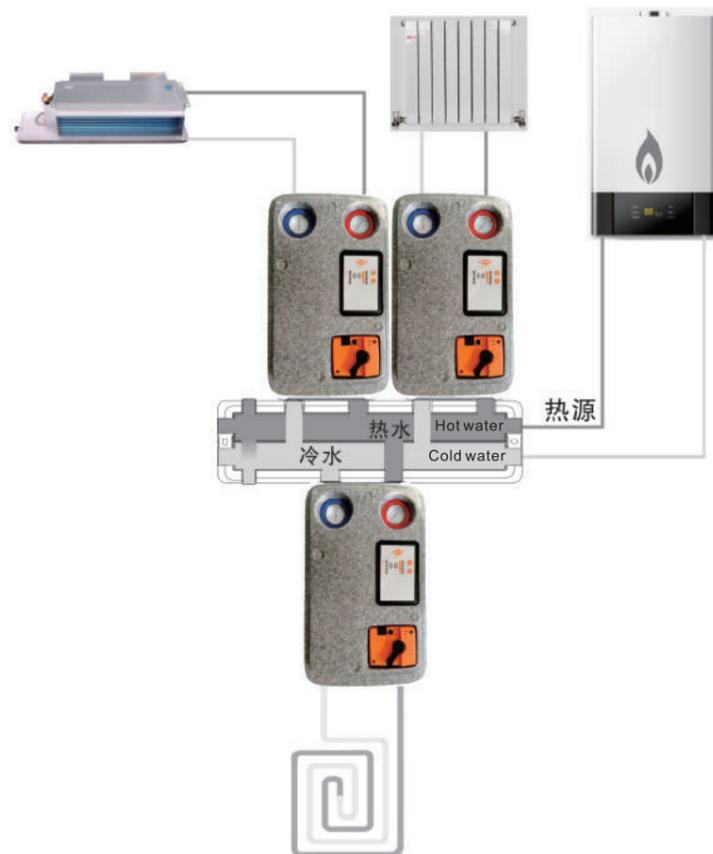
Heating circulation pumping station



TMA01A01
 内接口螺母: G1½"
 外接口螺母: G1"
 主管通径: 1"
 主管间距: 125mm
 最大压差: 1bar
 最大工作压力: 5bar
 最大试压: 6bar

储存温度: -20~60°C
 工作温度: 2~80°C
 最高耐温: 95°C
 执行器温控范围: 20~80°C
 适用介质: 水、乙二醇溶液
 KVS: 5.5³m/h

Mode	Interface nut	Outer interface nut	Supervisor Path	Supervisor spacing	Branch pipe spacing	Pressure difference	Working pressure	KVS
TMA01A01	G1½"	G 1"	1"	125mm	50mm	1bar	5bar	5.5³m/h
	Pressure test	Storage temperature	Operating temperature	Maximum temperature resistance	Actuator temperature control range	Applicable medium		
	6bar	-20~60°C	2~80°C	95°C	20~80°C	Water, glycol solution		



Anti-frost thermostat



ST-W

产品名称 Model	ST-W-F18/15A	ST-W-F18/15A2	ST-W-F18/15A3	ST-W-F15/15A	ST-W-F15/15A2	ST-W-F15/15A3
温度范围 Temperature range	-18~15°C	-18~15°C	-18~15°C	-15~15°C	-15~15°C	-15~15°C
差动范围 Differential range	1~5°C	1~5°C	1~5°C	1~5°C	1~5°C	1~5°C
最高温度 Limit temperature	70°C	70°C	70°C	70°C	70°C	70°C
毛细管长度 Capillary length	2000	6000	12000	3000	6000	12000
电器额定值 Electrical rating	16(4)A250VAC	16(4)A250VAC	16(4)A250VAC	16(4)A250VAC	16(4)A250VAC	16(4)A250VAC
外形尺寸 Dimensions	133x70.5x72mm	133x70.5x72mm	133x70.5x72mm	133x70.5x72mm	133x70.5x72mm	133x70.5x72mm
线路图 Wire diagram						
<p>■ Ts: 本体温度 Body temperature Tb: 感温部温度 Temperature Sensing Department Ts > Tb</p>						

Capillary Thermostat



F3000



F3000C



WPR-35LA
WPR-40L



A2000
(WPR-35LB)



F2000
(WPR-35L)

产品名称 Model	工作温度范围 Temperature range	电气额定值 Electrical rating	差动 Switching differential	毛细管长度 Capillary length
A2000 (WPR-35LB)	-35°C~+35°C	16(4)A/250VAC	≤3.5°C	180mm
F2000 (WPR-35L)	-35°C~+35°C	16(4)A/250VAC	2°C±1.5°C	1800mm
F3000	-35°C~+35°C	16(4)A/250VAC	≤3.5°C	180mm
F3000C	-35°C~+35°C	16(4)A/250VAC	2°C±1.5°C	1750mm
WPR-35LA	-35°C~+35°C	16(4)A/250VAC	2°C±1.5°C	1800mm
WPR-40L	0°C~40°C	16(4)A/250VAC	2°C±1.5°C	1800mm

Capillary Thermostat



G series



GF series



HE series



E series

附件
Accessory



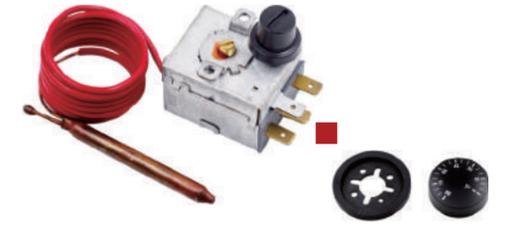
V series



F series



C series



CA series

附件
Accessory

产品名称 Model	工作温度范围 Temperature range	差动 Switching differential	电器额定值 Electrical rating	毛细管长度 Capillary length	安装孔距 Installation Size	外形尺寸 Dimensions	附件 Accessory
G series	0~90°C 0~120°C 50°C~300°C	2°C~10°C	16(4)A 250VAC	1000/1500mm	28mm	44x32x60mm	■
GF series	70~90°C 90~110°C	手动复位 Manual reset 温度下降≥20°C复位 Temperature decrease ≥20°C, reset	16(4)A 250VAC	1000/1500mm	28mm	44x32x54mm	—
HE series	-35~+35°C 0~40°C 0°C~90°C	<3°C <2.5°C <3.5°C	22A 250VAC	1000/1500mm	28mm	58x56.8x52.5mm	■
E series	50~300°C 50~320°C	10±2°C	16(4)A 250VAC	1000mm	28mm	51.5x35x51mm	▲
V series	0~120°C	5±2°C	16(4)A 250VAC	1000mm	28mm	58x35.1x40mm	—
F series	80°C 275°C	手动复位 Manual reset 温度下降≥20°C复位 Temperature decrease ≥20°C, reset	16(4)A 250VAC	1200mm	28mm	42x33.5x52mm	—

Capillary Thermostat

产品名称 Model	工作温度范围 Temperature range	差动 Switching differential	电器额定值 Electrical rating	毛细管长度 Capillary length	安装孔距 Installation Size	外形尺寸 Dimensions	附件 Accessory
C series	0~90°C 0~120°C 0~210°C 50°C~300°C	2°C~10°C	16(4)A 250VAC	1000/1500mm	28mm	53x37x52mm	■
CA series	90°C 90~110°C 100°C 300°C	手动复位 Manual reset 温度下降≥20°C复位 Temperature decrease ≥20°C, reset	C-1 0.5A 250VAC C-2 16(4)A 250VAC	1000/1500mm	28mm	51.5x35x51mm	-



FT-90
FT-99



FT-90-M
FT-99-M

产品名称 Model	FT-90	FT-99	FT-90-M	FT-99-M
工作温度范围 Temperature range	90±6°C	99±6°C	90±6°C	99±6°C
差动 Switching differential	25±15°C	25±15°C	25±15°C	25±15°C
电器额定值 Electrical rating	25A 120V/240V/277VAC	25A 120V/240V/277VAC	25A 120V/240V/277VAC	25A 120V/240V/277VAC
毛细管长度 Capillary length	2000mm, 1450mm, 950mm, 500mm	2000mm, 1450mm, 950mm, 500mm	2000mm, 1450mm, 950mm, 500mm	2000mm, 1450mm, 950mm, 500mm
外形尺寸 Overall dimensions	<p>■ 自动复位 Automatic Reset</p>		<p>■ 手动复位 Manual reset 温度下降≥20°C复位 Temperature decrease ≥20°C, reset</p>	

Thermostats for refrigerating and automobile



Y108563A



WL-0.5



WL-OE



WL-1A



WL-OC



WL-4A



WL-0.5KB



WPF21I



DWL-2



DWLF-2D



33D907543

FS flow switch

适用于制冷、供暖以及感应经过管道的液体流量变化，起到开关信号作用，根据不同的流量需要，开关可以进行调节。

Suitable for cooling, heating and adjust the liquid flow through piping, play the role of the switching signal, the switch can be adjusted based on the flow required.



FS-25

电源电压：20(6)A 220~250VAC
最大工作压力：1MPa
接口：1"
最大管径：6"
流体温度：-20~120°C
防护等级：IP42



FS-25B

电源电压：20(6)A 220~250VAC
最大工作压力：1MPa
接口：1"
最大管径：6"
流体温度：-20~120°C
防护等级：IP42

Model	Supply power	Maximum admissible static pressure	Installation size	Protection	Largest diameter	Temperature of liquid
FS-25	20(6)A 220~250VAC	1MPa	1"	IP42	6"	-20~120°C
FS-25B	20(6)A 220~250VAC	1MPa	1"	IP42	6"	-20~120°C

这款开关用于监测管道里的空气流量。

This paddle switch is intended to monitor air flow within a duct and provides a switched output on detection of either a specific air velocity or flow failure.



FS-25A

电源电压：20(6)A 220~250VAC
最大工作压力：1MPa
接口：1"
最大管径：6"
流体温度：-20~100°C
防护等级：IP65



FS-25C

电源电压：20(6)A 220~250VAC
流体温度：-20~120°C
防护等级：IP60

Model	Supply power	Maximum admissible static pressure	Installation size	Protection	Largest diameter	Temperature of liquid
FS-25A	20(6)A 220~250VAC	1MPa	1"	IP65	6"	-20~100°C
FS-25C	20(6)A 220~250VAC			IP60		-20~100°C

FS flow switch

这款开关主要用于控制液体位置，最大工作压力为0.5MPa

This switch is mainly used to control liquid level in a tank or vessel, to provide a switched output to provide local alarm pump or valve control.
Maximum admissible static pressure: 0.5MPa



LS-25A

电源电压：16(4)A 220~250VAC
最大工作压力：1MPa
接口：1"
流体温度：-20~85°C
防护等级：IP65

Model	Supply power	Maximum admissible static pressure	Installation size	Protection	Temperature of liquid
LS-25A	16(4)A 220~250VAC	1MPa	1"	IP65	-20~85°C

流量调整范围 (³m/h)

尺寸	最小 min		最大 max	
	流量减小 Flow decrease	流量增加 Flow increase	流量减小 Flow decrease	流量增加 Flow increase
1"	0.6	2	1	2.1
2"	2.2	5.7	3.1	6.1
3"	4.3	10.7	6.2	11.4

