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规格

设计

智能阀门定位器DC系列是通过接收控制器或控制系统发出的4-20mA电流信号来控制阀门开度的装置。内置微处理器，可精确控制阀门开度，并可执行自动设定，PID控制，HART通讯等强有力的功能；
具有断信号锁位，断气锁位功能；
待机状态耗气量接近零，可大大节省工厂源；
产品外部装有液晶屏(LED)，因此可以在现场直接确认定位器的状态；
可添加阀位输出模块和HART模块，实现相应功能；
可任意设定线性, 快开, 等百分比等流量特性；
通过产品上的按钮可方便调整PID参数，也可设定16个点来实现特殊流量曲线。

输入信号：4 - 20mA

阻抗：Max.460Ω@20mA DC

输入压力
0.14 - 0.7Mpa(1.4 - 7bar)

行程范围
直行程: 10-150mm
角行程: 0-90°

气源接口：PT(NPT)1/4"

压力表接口：PT(NPT)1/8"

电源接口：PF 1/2" (G1/2")

防护等级：IP66

环境温度：-30°C - 80°C

直线性：±0.5%F.S

滞后度：±0.5%F.S

灵敏度：±0.2%F.S

重复性：±0.3%F.S

空气消耗量：＜0.01LPM(sup=0.14Mpa)

流量：60LPM(sup=0.14Mpa)

材质
压铸铝或不锈钢

重量
1.5Kg(3.3 lb)or 2.9Kg(6.4 lb)

选项
防爆等级：Ex ia IIC T6/Ex d IIC T6
阀位反馈，限位开关 (机械式或感应式)

Specification

DESIGN

The smart valve positioner DC series is available through a receive controller orThe control system sends a 4-20mA current signal to control the valve Open device.Built-in microprocessor, accurate control of the valveOpen, and can perform automatic setting, PID control, HARTcommunication and other powerful functions ;
It has the function of break signal lock position and break air lock position;
Standby state gas consumption is close to zero, which can greatly save the plant source;
The product is equipped with external liquid crystal screen (LED), so it can be on site directly confirm the status of positioner;
Valve position output module and HART module can be added to achieve the corresponding function;
Linear, fast open, equal percentage and other flow characteristics can be arbitrarily set;
PID parameters can be easily adjusted through the button on the product, or Set 16 points to achieve a special flow curve.

INPUT SIGNAL: 4 - 20mA

IMPEDANCE: Max.460Ω@20mA DC

INPUT PRESSURE
0.14 - 0.7Mpa(1.4 - 7bar)

STROKE RANGE
Linear stroke: 10-150mm
Rotary stroke: 0-90°

AIR CONNECTION:PT(NPT)1/4"

GAUGE CONNECTION：PT(NPT)1/8"

POWER COMMECTION: PF 1/2" (G1/2")

PROTECTION: IP66

EXTERNAL TEMPERATURE RANGE: -30°C-80°C

LINEARITY：±0.5%F.S

HYSTERESIS：±0.5%F.S

SENSITIVITY：±0.2%F.S

REPEATABILITY：±0.3%F.S

AIR CONSUMPTION：＜0.01LPM(sup=0.14Mpa)

FLOW CAPACITY：60LPM(sup=0.14Mpa)

MATERIAL
Aluminum die casting or Stainless steel

WEIGHT
1.5Kg(3.3 lb)or 2.9Kg(6.4 lb)

OPTION
Explosion proof：Ex ia IIC T6/Ex d IIC T6
Valve position feedback, limit switches(Mechanical or induction）

型号:
DC

智能阀门定位器

直行程
角行程



Type:
DC

Smart valve positioner

Linear stroke
Rotary stroke

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举例说明：比如 DC11G21A
=智能阀门定位器，双作用直行程，10 - 40mm反馈杆，锁位,PT连接
定位器

1 + 2.字符 产品	3.字符 作用形式	4.字符 防爆等级	5.字符 反馈杆	6.字符 通讯	7.字符 连接形式	8.字符 选项
DC=智能阀门定位器	1=双作用直行程 2=双作用角行程 (NAMUR) 3=单作用直行程 4=单作用角行程 (NAMUR)	1=无 5=Exd IIC T6 6=Ex ia IIC T6 7=Ex dmb IIC T6 8=Ex ia IIB T5 9=Exd mb IIB T5	直行程： G=10-40mm H=20-70mm J=50-100mm K=100-150mm 角行程： R=NAMUR	1=无 2=无+锁位 3=无+复位 4=HART+锁位 5=HART+复位 6=HART	1=PT 2=NPT	A=无 B=阀位反馈 C=限位开关（机械式） D=限位开关（感应式） E=阀位反馈+限位开关（机械式） F=阀位反馈+限位开关（感应式） G=阀位反馈带液晶显示 L=低温型

Ordering example:e.g. DC11G21A
= Smart positioner,Double acting of linear storke,10 - 40mm feedback lever,Fail freeze,PT connection
Locator

A + B. Type	C. Acting type	D. Grade	E. Feedback lever	F. Communication	G. Connection Type	H. Option
DC=Smart positioner	1=Double acting of linear storke 2=Double acting of rotary (NAMUR) storke 3=Single acting of linear storke 4=Single acting of rotary (NAMUR) storke	1=无 5=Exd IIC T6 6=Ex ia IIC T6 7=Ex dmb IIC T6 8=Ex ia IIB T5 9=Exd mb IIB T5	Linear: G=10-40mm H=20-70mm J=50-100mm K=100-150mm Rotary: R=NAMUR	1=No 2=No+fail freeze 3=NO+fail safe 4=HART+fail freeze 5=HART+fail safe 6=HART	1=PT 2=NPT	A=No B=Valve position feedback C=Limit switch(Mechanical) D=Limit switch(Proximity) induction E=Valve position feedback +Limit switch(Mechanical) F=Valve position feedback +Limit switch (Proximity) induction G=Valve position feedback with LCD screen L=Low temperature

尺寸/Dimension

