

Differential Pressure Switches DPS Series

FOR AIR CONDITIONING/ VENTILATION, USER-ADJUSTABLE

PRODUCT DATA AND INSTALLATION INSTRUCTIONS



Medium/ambient temp.	-20°C...+85°C
Storage temperature	-40°C...+85°C
Membrane material	silicone

CONTENTS OF DELIVERY

The deliver includes (in the case of individual packages) the following part:

- 1 DPS Differential Pressure Switch
- 1 Data sheet with installation information
- 1 DPSK duct kit consisting of:
 - 2m of silicone hosing
 - 2 joining pipes DPSJ with 5 screws
 - 2 self-tapping screws for mounting the housing
 - 3 terminal screws for electrical installation
- 1 L-shaped mounting bracket bracket 5 short screw

APPLICATION

Differential pressure switch e.g. for monitoring filter, fan, fire damper, or air flow status of air handing system.

BENEFITS

Switching-point easily adjustable with scale in Pascal;
Direction of CM conduit entry can be rotated in steps of 180° .

APPROVALS

CE approval according to low-voltage directive EEC73/23;

TECHNICAL SPECIFICATIONS

Max. operating pressure	2500 Pa
Pressure media	air, non-flammable gases, and non-aggressive gases
Pressure connections	two plastic tubes, outside diameter: 6.0 mm
Switching capacity	1.5A, (0.4)/250 Vac
Electrical connections	AMP connectors, 6.3×0.8, DIN 46244 or screw terminals
Conduit entry	CM=M20 x 1.5
Protection class	IP 54
Mounting lugs	integrated in bottom housing (alternative: mounting angles)

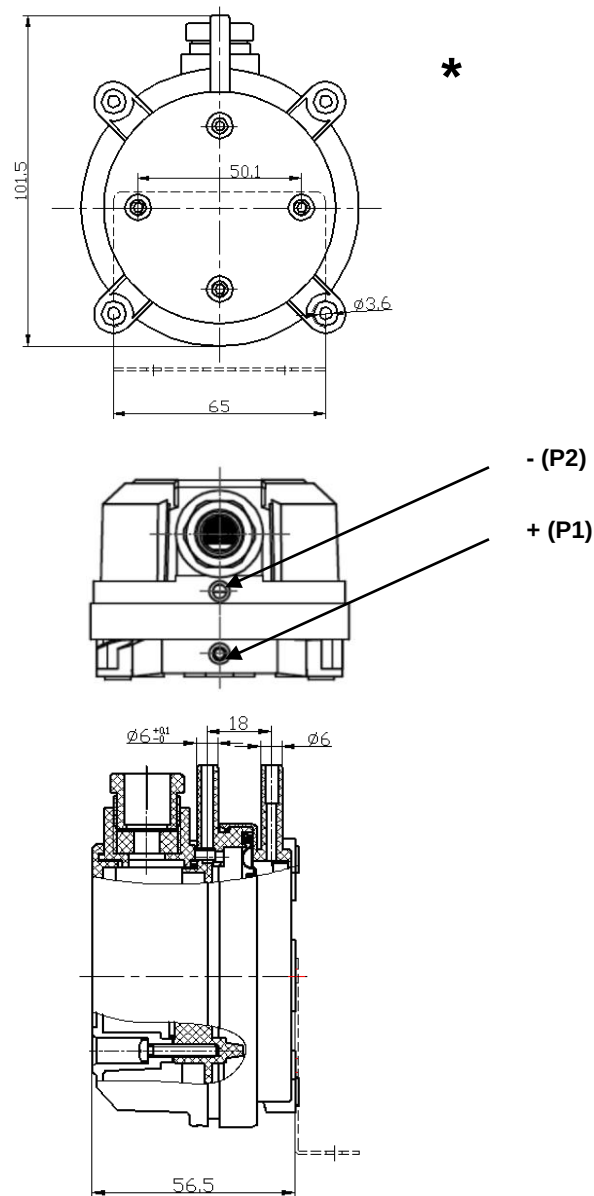
OPERATING RANGES

type	adjustment range for upper trip pressure*	switching difference (hysteresis)
DPS200A	20~200Pa	10(Pa)
DPS400A	40~400Pa	20(Pa)
DPS1000A	200~1000Pa	100(Pa)
DPS2500A	500~2500Pa	150(Pa)

*The trip pressure refers to vertical mounting. In case of horizontal mounting (with the cover pointing upwards), the range values increase by 20 Pa.

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DIMENSIONS



OPTIONS / ACCESSORIES

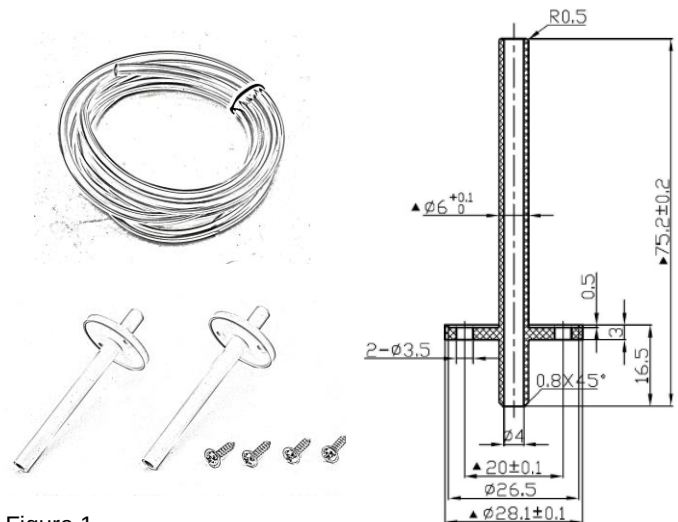


Figure 1
Hose and hose connector
long of screw

Figure 2
Joining pipe



Figure 3

Arrangement of contacts



CAUTION

Switch off power before removing cover!

Fig.1. Dimensions of DPS Series pressure switches

P1 = higher pressure

P2 = lower pressure

*Use two screws only, for mounting lugs!

NOTE: Do not install upside down with trip pressures of less than 50 Pa!

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Honeywell

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DPS 系列气流压差开关

产品资料及安装说明

保护级：IP54



产品包装清单

产品交付时包装内应包括如下内容：

- DPS 压差开关 1 个
- 技术规格及安装指导说明书 1 份
- 导压管 2 个及安装长螺钉 5 个
- PVC 压力导管 2m
- L 型安装支架 1 个及支架固定短螺钉 5 个

应用范围

压差开关应用于监视风道中过滤网、风机和空气流的状态。该产品还可根据现场需要，直观的旋转设定旋钮到所需检测的压力值，并保证压力测量值的准确度。

产品认证

CE 认证

技术规格

最大压力： 2500Pa
 压力介质： 空气，非易燃和非腐蚀性气体。
 压口连接： 2 个塑料导管，直径 6mm。
 开关容量： 1.5A, (0.4A)/250Vac
 允许工作温度： -20℃...+85℃
 允许存放温度： -40℃...+85℃
 电气连接： AMP 接头或螺丝端子
 膜材料： 硅
 导管口： CM=M20 x 1.5

工作范围

订货型号	压力范围*	开关时压差 (平均值)
DPS200A	20~200Pa	10(Pa)
DPS400A	40~400Pa	20(Pa)
DPS1000A	200~1000Pa	100(Pa)
DPS2500A	500~2500Pa	150(Pa)

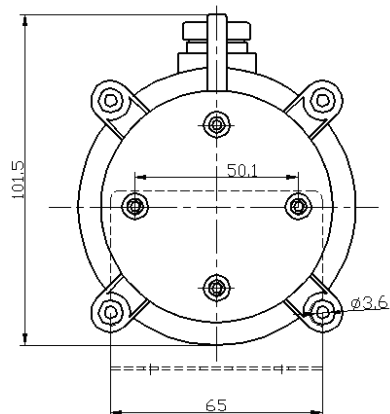
*此压力范围是指垂直安装，如采用水平安装，范围值增加 20Pa。

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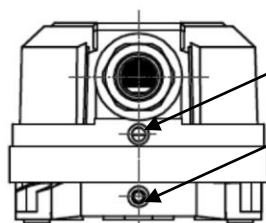
注意: 小于 50 帕时, 请不要颠倒安装!

附件

外形尺寸图



*



- (P2)

+ (P1)

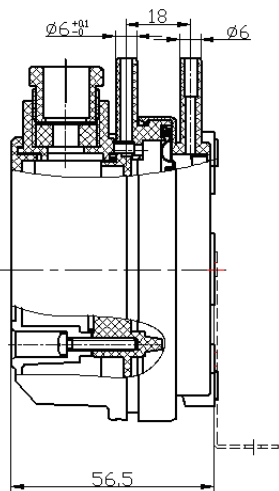


图 1

压力导管和导压管、导压管固定长螺钉

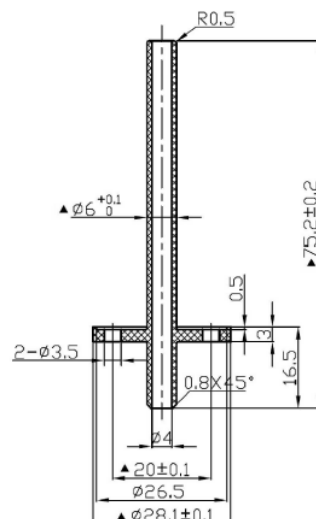


图 2
导压管

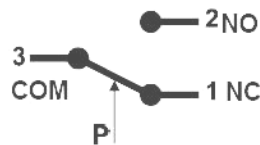


图 3

电气连接方式

警告



打开盖子前请切断电源!

图 1. DPS 系列压差开关尺寸图

P1 = 高气压

P2 = 低气压

*只需两个螺丝用于安装!

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