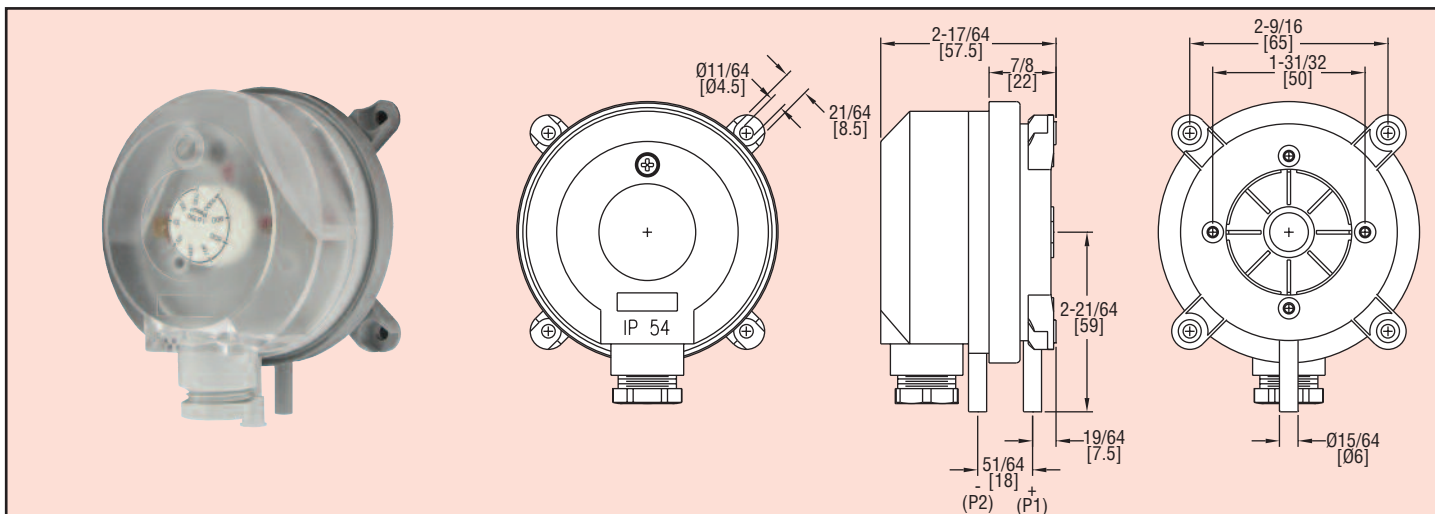


ADPS
系列

采暖通风用差压开关

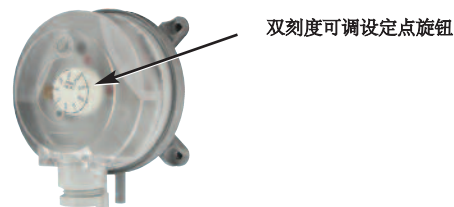
带双刻度可调设定点旋钮



ADPS系列差压开关用于压力，真空，和差压的监测。设定点旋钮上刻有英寸水柱和Pa刻度，无需差压表就能调整设定点。它的差压范围从0.08英寸水柱(20Pa)到20英寸水柱(5000Pa)。采用硅胶隔膜和PA6.6的工程塑料主体，用于空气或其它不燃气体。尺寸小，带调整旋钮，价格低，使得ADPS差压开关最适合用于采暖通风行业。

应用

- 监测空气过滤器和通风
- 监测工业循环冷却风
- 热风机过热保护
- 通风管风速监测
- 控制风门和火灾防护风门
- 换热器除霜保护



技术指标

介质：空气和不燃气体，兼容气体

材质：隔膜材料：硅胶；

外壳材料：POM

开关主体：PA6.6；

上盖：PS

温度范围：过程和环境温度从-4到185°F (-20 to 85°C)。

压力范围：操作压力：：40英寸水柱 (10 kPa)

开关类型：单刀双掷 (SPDT)

电气指标：最大1.5 A res./0.4 A ind./250 VAC, 50/60 Hz;

最快动作：6次/分钟

电气连接：压紧端子。M20x1.5或1/2"NPT。

过程连接：5/16"(7.94 mm)外径，1/4"(6.0 mm)内径管。

外壳防护：NEMA 13, IP54。

安装方向：垂直，压力连接方向朝下。

机械动作寿命：大于106次

重量：5.6 oz (160 g)。

认证：：CE, RoHS。

Model	Set Point Range in w.c. (Pa)	Approx. Dead Band @ Min Set Point in w.c. (Pa)	Approx. Deadband @ Max Set Point in w.c. (Pa)
ADPS-08-2-N	0.08 to 1.20 (20-300)	0.04 (10)	0.05 (12)
ADPS-04-2-N	0.12 to 1.60 (30-400)	0.06 (15)	0.09 (22)
ADPS-03-2-N	0.20 to 2.00 (50-500)	0.08 (20)	0.09 (23)
ADPS-05-2-N	0.80 to 4.00 (200-1000)	0.4 (100)	0.5 (130)
ADPS-06-2-N	2.00 to 10.00 (500-2500)	0.6 (150)	0.8 (200)
ADPS-07-2-N	4.00 to 20.00 (1000-5000)	1.0 (250)	1.4 (350)

注意：可选1/2"NPT接管，将-2-N改为-1-N。如果要附带安装套件，在型号后面加-C ((仅用于-2-N电缆压封型)。安装套件包含两个静压取压头和7英尺长的PVC管。1/2"NPT接管型请单独订购安装套件。见下面的A-481

附件

A-288, "L"型金属安装背板带螺丝

A-289, "S"型金属安装背板带螺丝

A-480, 塑料取压头

A-481, 安装套件包含两个静压取压头和7英尺(2.1 m)长的PVC管

A-489, 4"带法兰的直式取压头

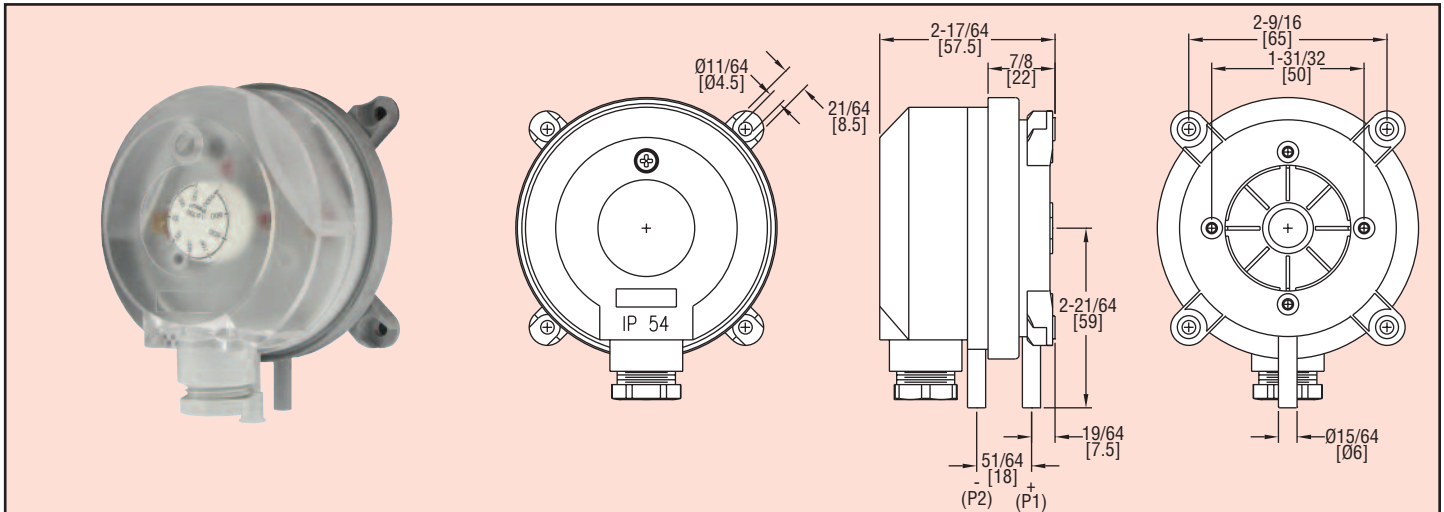
A-480



Series
ADPS

H.V.A.C. Differential Pressure Switch

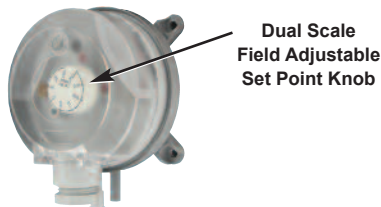
With Dual Scale Field Adjustable Set Point Knob



The Series ADPS Adjustable Differential Pressure Switch is designed for pressure, vacuum, and differential pressures. The dual scaled adjustment knob in inches water column and pascals allows changes to the switching pressure to be made without a pressure gage. The ADPS is available with settings from 0.08 in w.c. (20 Pa) up to 20 in w.c. (5000 Pa). The silicone diaphragm and PA 6.6 body make the series ADPS ideal for use with air and other noncombustible gases. The compact size, adjustment knob and low cost make the ADPS the perfect choice for HVAC applications.

APPLICATIONS

- Monitoring air filters and ventilators
- Monitoring industrial cooling-air circuits
- Overheating protection for fan heaters
- Monitoring flows in ventilation ducts
- Controlling air and fire-protection dampers
- Frost protection for heat exchanges



SPECIFICATIONS

Service: Air and non-combustible, compatible gases.

Wetted Materials:

Diaphragm material: silicone; Housing material: POM switch body: PA 6.6; Cover: Polystyrene.

Temperature Limits: Process and ambient temperature from -4 to 185°F (-20 to 85°C).

Pressure Limits: Max. operating pressure: 40" w.c. (10 kPa) for all pressure ranges.

Switch Type: Single-pole double-throw (SPDT).

Electrical Rating: Max. 1.5 A res./0.4 A ind./250 VAC, 50/60 Hz; Max. switching rate: 6 cycles/min.

Electrical Connections: Push-on screw terminals. M20x1.5 with cable strain relief or optional 1/2" NPT connection.

Process Connections: 5/16" (7.94 mm) outside diameter tubing, 1/4" (6.0 mm) inside diameter tubing.

Enclosure Rating: NEMA 13, IP54.

Mounting Orientation: Vertically, with pressure connections pointing downwards.

Mechanical Working Life: Over 10⁶ switching operations.

Weight: 5.6 oz (160 g).

Agency Approvals: CE, RoHS.

Model	Set Point Range in w.c. (Pa)	Approx. Dead Band @ Min Set Point in w.c. (Pa)	Approx. Deadband @ Max Set Point in w.c. (Pa)
ADPS-08-2-N	0.08 to 1.20 (20-300)	0.04 (10)	0.05 (12)
ADPS-04-2-N	0.12 to 1.60 (30-400)	0.06 (15)	0.09 (22)
ADPS-03-2-N	0.20 to 2.00 (50-500)	0.08 (20)	0.09 (23)
ADPS-05-2-N	0.80 to 4.00 (200-1000)	0.4 (100)	0.5 (130)
ADPS-06-2-N	2.00 to 10.00 (500-2500)	0.6 (150)	0.8 (200)
ADPS-07-2-N	4.00 to 20.00 (1000-5000)	1.0 (250)	1.4 (350)

Note: For optional 1/2" NPT conduit connection, change -2-N to -1-N. Models that include installer kit add -C to the end of the model number (-2-N cable gland models only). Installer kit includes two static tips and 7 ft of PVC tubing. Order installer kit separately with 1/2" NPT conduit connection models. See A-481 below.

ACCESSORIES

A-288, "L" type metal mounting bracket with screws

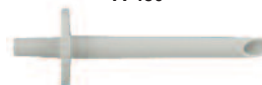
A-289, "S" type metal mounting bracket with screws

A-480, Plastic static pressure tip

A-481, Installer kit. Includes 2 plastic static pressure tips and 7' (2.1 m) of PVC tubing

A-489, 4" Straight Static Pressure Tip with Flange

A-480



See page 587 for process tubing options.