

Pressure Switch 压力开关



171D/170D Ultra Low Differential Pressure Switch

超低压差压力开关



Features/特性

- Rugged design for use in harsh environments/坚固设计，可在艰困环境下使用
- Shock and vibration resistance/抗冲击与振动 (MIL-S-901-D & MIL-STD-167-1)
- Suitable for high voltage/current applications / 适用于高电压、电流应用

Specifications/规格

Set Point Ranges/设定范围	0.05" – 40"H ₂ O (0.12–100 mbar)
Proof Pressure/耐压	Up to 25 psi (dependant on model) ; Up to 1724 mbar
Mechanical Life/机械寿命	1,000,000 Cycles
Temperature Range/温度范围	-30–160° F (-34–71°C)
Diaphragm/隔膜	0.008" Nitrile/Nylon Cloth (model 170) or 0.005" Silicone PE Cloth (model 171)
Pressure Port /压力端	1/8–27 NPT Female
Electrical Connection/电子链接	Screw Terminals
Switch Type /开关类型	SPDT Snap Action

Order information/订购信息

Part Number 产品型号	Operating Range 作业范围	Switch Current 开关电流
D21530	1.0–8.0" H ₂ O (2.5–20 mbar)	10 Amp 125 VAC
D21531	2.0–8.0" H ₂ O (5.0–20 mbar)	15 Amp 125 VAC
D21532	2.0–20" H ₂ O (5.0–50 mbar)	15 Amp 125 VAC
D21533	2.0–40" H ₂ O (5.0–100 mbar)	15 Amp 125 VAC
D21540	0.05–8.0" H ₂ O (0.12–20 mbar)	10 Amp 125 VAC
D21541	0.15–8.0" H ₂ O (0.37–20 mbar)	15 Amp 125 VAC
D21564	1.0–8.0" H ₂ O (2.5–20 mbar)	0.75 Amp 75 VDC
D21536	2.0–8.0" H ₂ O (5.0–20 mbar)	0.75 Amp 75 VDC
D21537	2.0 - 20" H ₂ O (5.0–50 mbar)	0.75 Amp 75 VDC
D21538	2.0 - 40" H ₂ O (5.0–100 mbar)	0.75 Amp 75 VDC
D21542	0.15 - 8.0" H ₂ O (0.37–20 mbar)	0.75 Amp 75 VDC

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103B Vane Airflow Switch

叶片式流量开关

Features/特性

- Vane-operated switch for airflow detection/
叶片式开关作为风量检测
- Easy Installation—mounts directly onto duct/
安装简易，直接安装在管内
- Moisture & fungus resistance models available/
防潮防霉
- Gold contacts option for low-current applications
黄金触点适用于低电流应用



Specifications/规格

Airflow ranges/空气流量范围	500–2,500 ft per minute
Switch Operating Range /开关作业范围	15°–20° of Operating Stroke
Current Rating/额定电流	6 A 125/250 VAC
Mechanical Life/机械寿命	1,000,000 Cycles
Temperature Range/温度范围	+40–125° F
Housing Material /外壳材质	Plastic Dust Cover and Aluminum Mounting Bracket
Vane Material /叶片材质	Stainless Steel
Electrical Connection/电子链接	0.187 x 0.2” Terminals
Switch Type /开关类型	SPDT Snap Action

Order information/订购信息

Part Number 产品型号	Airflow Range 流量范围	Remark 备注
D21560	500–2,500 ft per minute	-
D21561	500–2,500 ft per minute	* Mildew Resistant*

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161P Low Pressure Switch / 低压开关



Features/特性

- Rugged steel housing for use in harsh environments/坚固不锈钢外壳，可在艰困环境下使用
- Single pole double throw switch action/单刀双掷开关动作
- Electrical rating up to 10 Amp, 125 - 480 VAC/电气等级高达10 Amp, 125 - 480 VAC
- Reliable mechanical life / 可靠的机械寿命

Specifications/规格

Set Point Ranges/设定范围	0.25–15 psi
Proof Pressure/耐压	Up to 35 psi (dependant on range)
Mechanical Life/机械寿命	1,000,000 Cycles
Temperature Range/温度范围	+40–125° F
Diaphragm/隔膜	0.017 Thick Nitrile / Nylon Coated Fabric
Pressure Port /压力端	1/4–18 NPT Male
Electrical Connection/电子链接	Screw Terminals
Switch Type /开关类型	SPDT Snap Action

Order information/订购信息

Part Number 产品型号	Range 作业范围	Deadband 死区
D21545	0.25–1.00 ps	0.004–0.1 ps
D21546	0.25–1.30 psi	0.004–0.1 psi
D21547	0.25–5.00 psi	0.009–0.25 psi
D21548	0.50–10.00 psi	0.018–0.50 psi
D21549	0.75–15.00 psi	0.027–0.75 psi

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D-1 Differential Pressure Switch

差压开关



Features/特性

- Rugged flat-plate construction in accordance with MIL-A-8625, Type 1, Class 2 specification / 坚固的结构，符合MIL-A-8625, Type 1, Class 2
- Adjustable pressure range from 0.7 - 7" H2O / 可调节压力范围 0.7 - 7"H2O
- Single pole double throw switch action / 单刀双掷开关动作
- High proof pressure / 高耐压

Specifications/规格

Set Point Ranges / 设定范围	0.7-7.0"H2O
Pressure Port / 压力端	0.312 +/- .005 O.D. Tube
Current Rating/额定电流	4 A 250 VAC / 5 A 28 VDC
Mechanical Life/机械寿命	1,000,000 Cycles
Temperature Range/温度范围	+40-150° F
Proof Pressure / 耐压	30"H2O
Diaphragm / 隔膜	Silicone Coated Fabric
Electrical Connection/电子链接	0.058 Push-on Terminals
Switch Type / 开关类型	SPDT Snap Action

Order information/订购信息

Part Number 产品型号	Pressure Range 压力范围
D21543	0.7-7.0"H2O