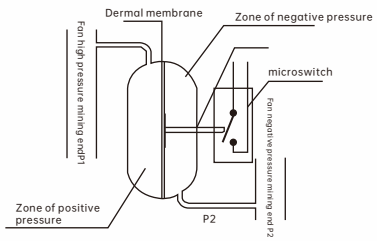
The selection is detailed on page 3

ETD-200

Differential Pressure Switch

Working principle

The static pressure of the gas is used to push the micro switch to achieve the current on and off.
The air pressure switch has two detection ports, namely, positive pressure detection port and negative pressure detection port, and its chamber is thus divided into positive pressure chamber and negative pressure chamber. The two cavities are separated by a skin film. When there is a pressure source, the skin film moves to activate the micro switch to achieve the purpose of on/off. The wind pressure switch is provided with a fine-tuning device, which changes the pressure of the spring during adjustment so that the startup point and shutdown point of the wind pressure switch (that is, ON point and OFF point) change.



Product description

The ETD-200 pressure switch can sense small pressure changes to switch action. This type of pressure switch is widely used for monitoring between flow control filters, blowers and air regulating valves in ventilation systems. It is also suitable for overheating protection of heating coils and frost protection of industrial cooling circuits. The product has the feature of visual adjustable, can intuitively adjust the action value of the pressure switch.
The ETD-200 is an adjustable pipe differential pressure switch and residual pressure controller a wind differential pressure switch for building fire protection. Its proven design enables it to detect small pressure changes. The switch setpoint or toggle point can be adjusted in the field by simply using the adjustment knob and the built-in calibration visual scale. The switch is equipped with a clear cover that not only protects against changes in the adjustment knob scale, but also provides IP54 protection.

Product application

Ventilation duct system for fire control

Monitor the cooling and heating systems of the air filter

Monitoring cooling systems for industrial electronic circuits

Monitor the positive pressure of the pressure chamber

Monitored heater air volume (overheat protection)

Heat exchanger antifreeze protection

Functional characteristics

Visual adjustable

Audible and visual alarm function (optional)

Can sense small pressure changes

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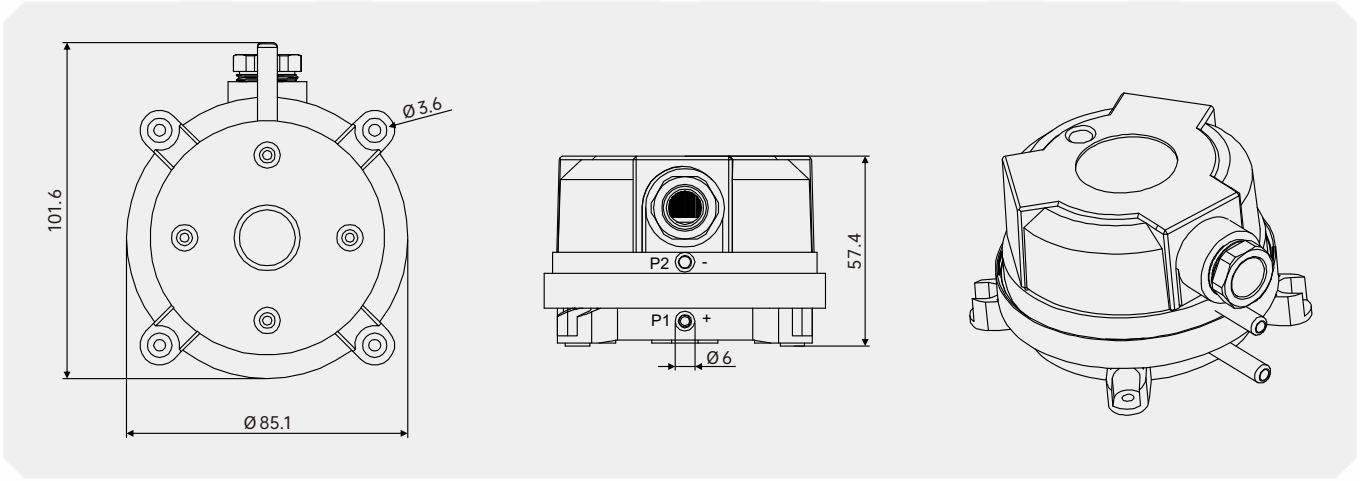
Technical parameter

Interface form	Outside diameter 6mm straight pipe
medium	Air, non-flammable or non-hazardous gas
Maximum working pressure	10kPa
Installation position	Vertical installation
Class of protection	IP54 (with case), IP00 (without case)
Operating temperature	- 20 ℃ ~ + 85 ℃
Contact mode	Single pole double throw
Electrical parameter	Initial contact resistance <100 milliohm; Current: 1.5A(0.4), 250V
terminal	6.3mm in-line terminal or screw connection
Options	Sound and light alarm function

Pressure range

Adjustable pressure range	Differential pressure	allowance
20 ~ 200 (Pa)	10 (Pa)	≤±15% or ±6Pa, the larger value of both
30 ~300 (Pa)	10 (Pa)	≤±15% or ±6Pa, the larger value of both
40 ~400 (Pa)	20 (Pa)	≤±15%
50 ~ 500 (Pa)	20 (Pa)	≤±15%
200 ~ 1000 (Pa)	100 (Pa)	≤±15%
500 ~ 2500 (Pa)	150 (Pa)	≤±15%
100 ~ 1000 (Pa)	50 (Pa)	≤±15%
1000 ~ 5000 (Pa)	250 (Pa)	≤±15%

Size mm



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ETD-200-Selection composition

Selection example ETD-200 B / C / D / G / P (1 2 3 4 5)

1.Pressure form	A	Negative pressure
	B	Positive pressure
2.Contact mode	C	Single pole single throw
3.Direction of pressure action	D	rise
	E	descend
4.Pressure setting value	G	125
	H	Usually within 0~3000
5.Pressure unit	N	in/H2O
	O	psi
	P	Pa
	Q	mbar

Instructions:

Represents ETD-200 type differential pressure switch, the pressure form is positive pressure, single knife single throw, the pressure action direction is rising, and the pressure setting value is 125Pa.

Product Certification

Compliance and approval; Rodeweig pressure transmitters meet key standards and certifications for process measurement technology; Thus guaranteeing the highest reliability in such Settings;

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