HL-SPD series pressure switch

Application：

HL-SPD series pressure switch can be used to sense (differential) pressure and flow of air in ducts and pipes.

Typical applications include:

Filter air-logged alarm.

Pipe air measurement.

Control the maximum air flow in variable air volume systems.

Burner air control

Specifications:

Environment temperature:-15C-+60℃(over-pressure 1000Pa)

Medium： non-corrosive gas

Max. medium Pressure: 1000Pa

Max contact capacity: 250V 2A, Contact shift.

Protection class: IP54.

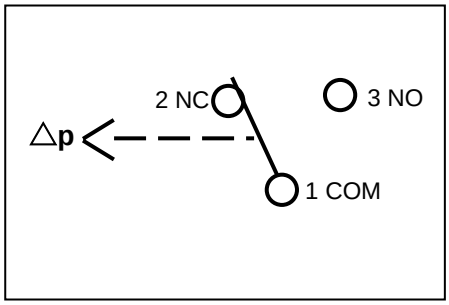
Dimension: 81×53mm（D×H）

Weight :100g.

Model denominations:

Model	Pressure alarm	Range
HL-SPD-30	Switch contact	30～300Pa
HL-SPD-50		50～500Pa
HL-SPD-100		100～1000Pa

Wring (terminal screw)



Connect 1 to 2 if the actual pressure is under the set-point

Connect 1 to 3 if the actual pressure exceeds the set-point

Installation:

HL-SPD should be fixed on the stable position and the environment temperature range be within -15 / +60C, mount in room temperature condition similar to production calibration. to avoid the condensate under the high humidity environment, the connecting side of pipe should be downward.

Pressure connection and wiring: Pressure connections are only marked with **P1+ & P2-**

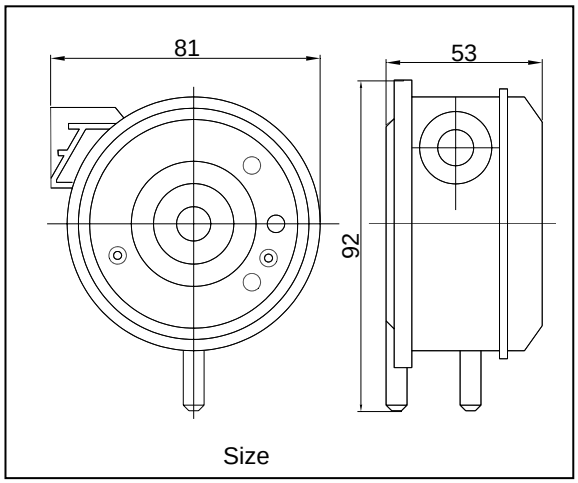
Base on the customer's special requirement. To make sure the equipment position is stable; switch can be fixed on the pipe, heater, and board. The sign of pressure connection: ＋(high pressure) －(static pressure)。Refer to the equipment drawing

Note: To drill a hole through the plastic tube or pipe before installation, and also mount part of Z-bracket on the spot (Standard setting).

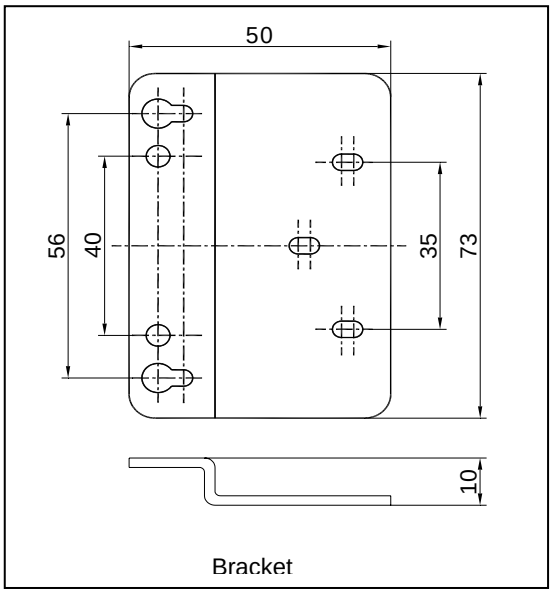
Accessory consists of:

Plastic pipe	Ø 6.2mm 1.8m	Z type bracket	1
Screw	3	pressure sampling pipe	2

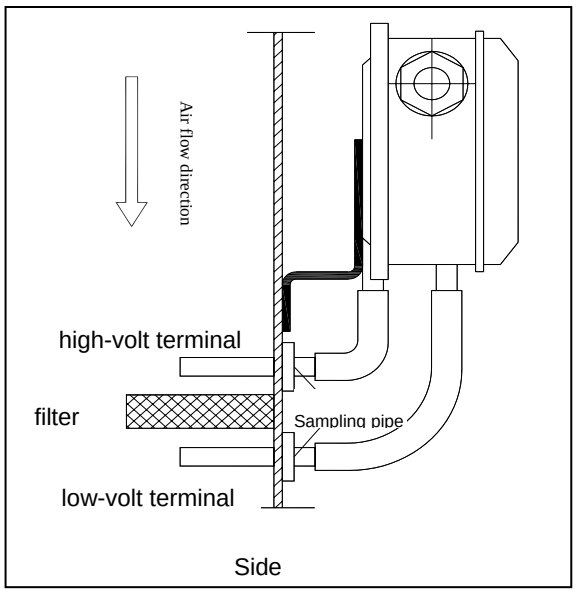
Appearance



Size



Bracket



Side

Installation Notes:

The Pressure Switch should be mounted vertically which can prevent inner atmosphere film weight from influencing precision.

Make sure power is turn off when upper cover is removed, to avoid electrical shock or destroying equipment.

Wiring should be connected and checked before use; incorrect connection may result in permanent damage to the equipment.