DOOZEN
Specilize in Switch&Sensor

C8

Wind Pressure Sensor





Summary

The C8 model air pressure sensor is a frequency-output pressure sensor capable of detecting a pressure range of 0-1 kPa. This sensor operates based on the LC oscillation circuit principle, relying on the movement of a magnetic core to convert pressure changes, thereby achieving frequency variations for pressure measurement.

The C8 type of sensor offers advantages such as fast response, strong anti-interference capability, and low cost, with an accuracy of up to 2%.

It is the preferred choice for household appliances and various simple pressure control devices.

Feature

- Customer Engineered Solutions
- Wide Variety of Pressure Medium
- Anti-interfere Capability
- Pulse output
- Fast response

Applications

- furnaces,
- fireplaces,
- commercial cooking appliances,
- water heaters,
- boilers,process dryers, etc.);

Typical applications include detecting blockage in gas combustion system appliances. detecting condensate drain blockage and fluid buildup;

draft inducer verification; proving fan operation; proving a blocked filter with change in differential pressure; monitoring static pressure; sensing increase/decrease in system pressure; proving air across heating elements; managing air in VAV systems,

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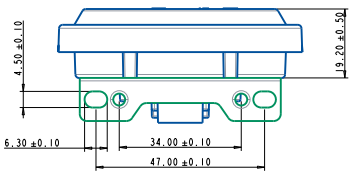
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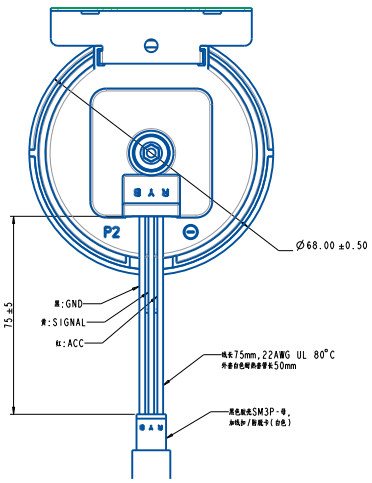
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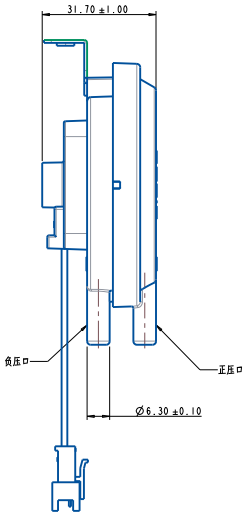
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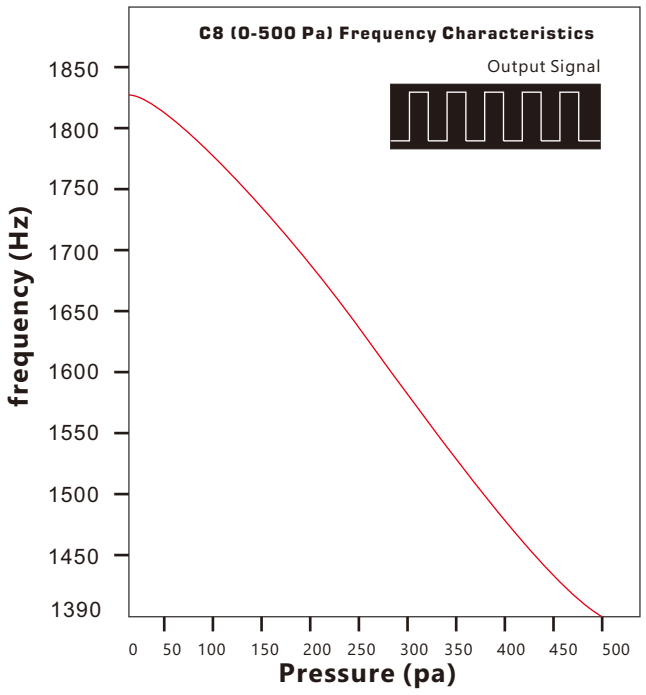
Standard Specifications

Mechnical	
Body	Glass filled PA6
Diaphragm	Silicon
Port connection	6.3 mm O.D
Functional	
Working pressure Range	0～500 Pa
Life	250,000 cycles
Max Operating Pressure	3000 Pa
Operating position	Diaphragm vertical
Operating temperature	-20C to 85C
Deviation of Setting	+/-5 Pa
Medium:	Air and neutral gases
Electronical	
Input	5～12V DC
OutPut	5～12V Pulse(Frequency)
Max Response time:	0.5 S









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