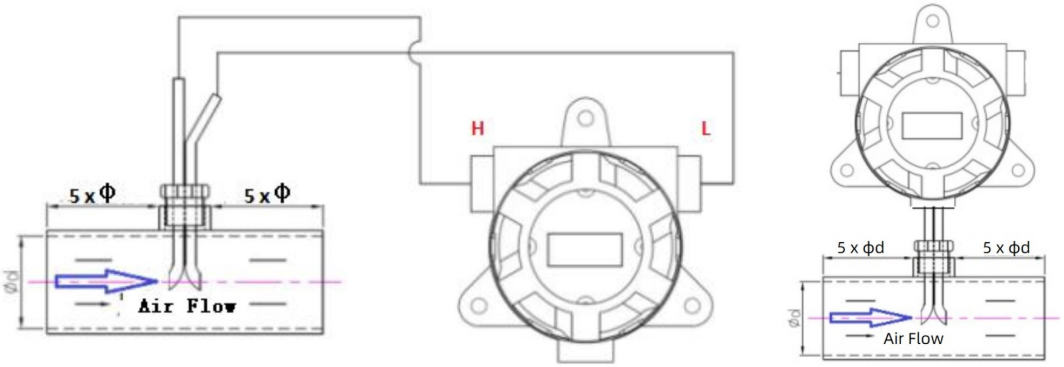
GE-374-EX-SC ATEX Air Flow Switch

GE-374 Ex-proof type Air Flow switch is designed for Duct or pipe air flow measuring, monitoring and controlling. It measure the flow velocity by Pitot tube with differential pressure sensor. Additionally, this pitot sensor is less sensitive to dust and dirt than all other anemometer principles.

The objection of the declaration is in conformity with the relevant EU harmonization legislation: ATEX directive 2014/34/EU, Machinery directive 2006/42/EC. The ATEX grade is Ex db IIC T6 Gb (-20℃≤Ta+80℃), Ex tb IIIC T85℃ Db (-20℃≤Ta+80℃) IP66; or **Ex II 3GD Ex dc IIC T6 Gc** (-20℃≤Ta≤+80℃) and **Ex tc IIIC T85℃ Dc** (-20℃≤Ta≤+80℃) IP66 for **gas** and **dust** explosion prevention。



Character:

* No any moving parts
* Long term measurement, accurate, reliable, sensitive
* Temperature compensation with wide measuring range
* Multiple outputs for choose 4-20mA, 0-10V, RS-485 or 1-4.5V
* **Max pressure: 20Kpa (if other pressure, please declare)**

Specification:

Velocity Flow Range: 0~5m/s~15m/s~20m/s~25m/s~30m/s~40m/s~70m/s...max200m/s

Accuracy: <(0.2m/s+3% measuring value) @1~20m/s, 25 C, 55%RH 1013hPa

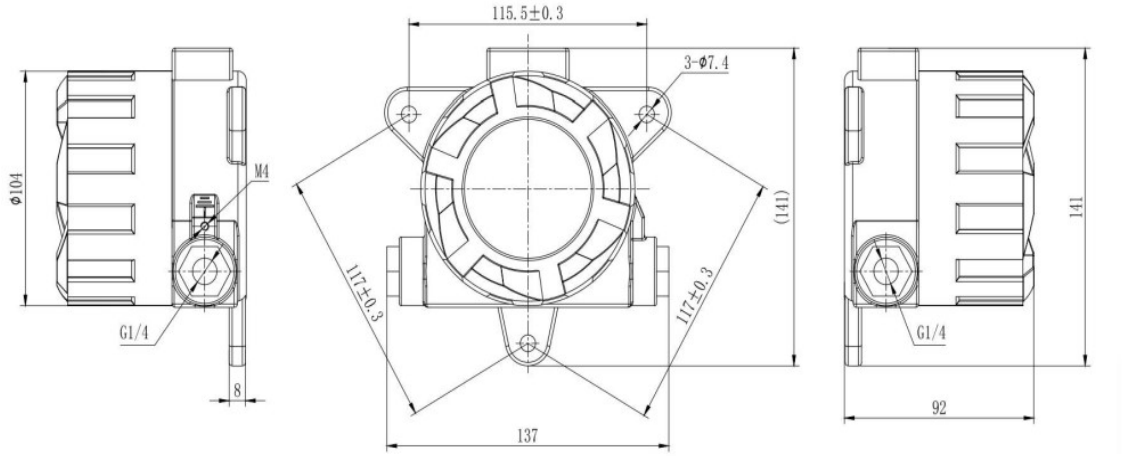
Response Time: 2s

Temperature Compensation:10C~40C

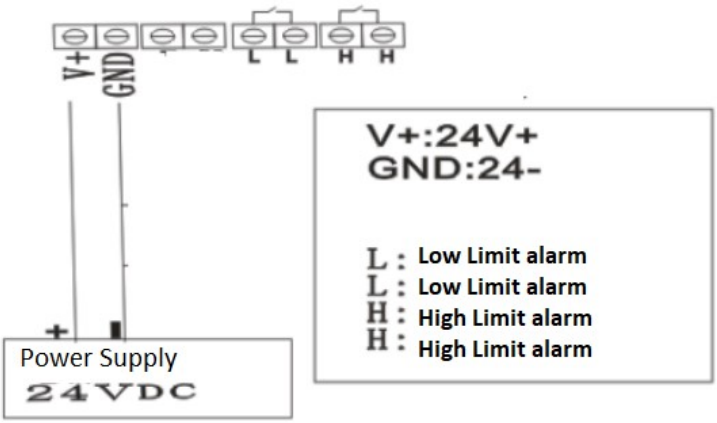
Output: Relay switch, high and low limit alarm

Power: 18~30VAC/DC, 24VDC is standard

Protection:IP66



Wire Connection:



L-L is the low limit alarm switch. When the flow is lower than the set value, the two terminals change from disconnection to conduction; when the pressure is higher than the set value, the two terminals change from conduction to disconnection.

H-H is a high limit alarm. When the flow is higher than the set value, the two terminals change from disconnection to conduction; when the pressure is lower than the set value, the two terminals change from conduction to disconnection.

The relay switching signal output by this product can withstand a maximum voltage and current of 220V 1A. Try to control large equipment with PLC or low-voltage relays. Do not directly connect high-voltage equipment such as AC contactors.

Function of Key

S key: long press S key to confirm, short press S key to move cursor,

Z key: change data

1: Under the condition of no air flow, press Z key for 8 seconds to clear the output data

2: Long press S key to enter menu "00"

3: Input password 20, enter coefficient correction function, original data 1.000

For example, if it is changed to 1.100, the current data will be magnified by 10%

4: Input password 40, L-L low Limit alarm Value

5: Input password 50, H-H high limit alarm value

How to order:

1. Type number: GE-374-EX-SC

Split-type or **integrated** type

2. Flow Velocity range:

0~ 1m/s ~ 2m/s ~ 3m/s ~ 4m/s ~ 5m/s ~ .....10m/s.....15m/s.....20m/s.....30m/s .....40m/s.....70mm/s.....

.....max 200m/s

3. Pipe size of air flow pipe or duct

4. Connection:

G1/2 male thread as standard, if other connection, please declare

5 Special demand

Display and output the flow rate (not flow speed), or others