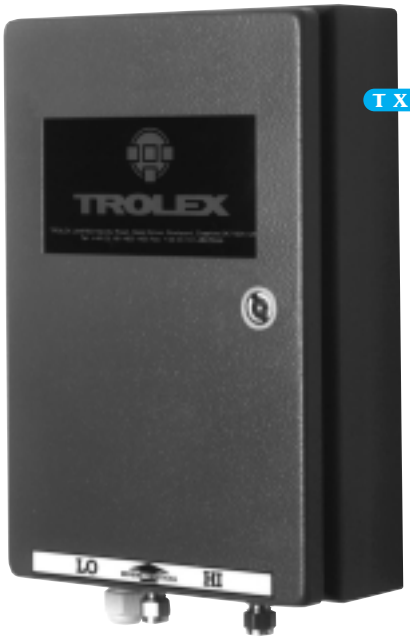
TROLEX SENSORS

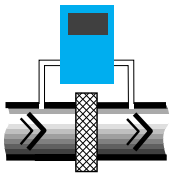
flow sensors

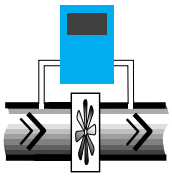
DIFFERENTIAL PRESSURE AIR FLOW SWITCH

Diaphragm operated switch with adjustable set point output contacts.



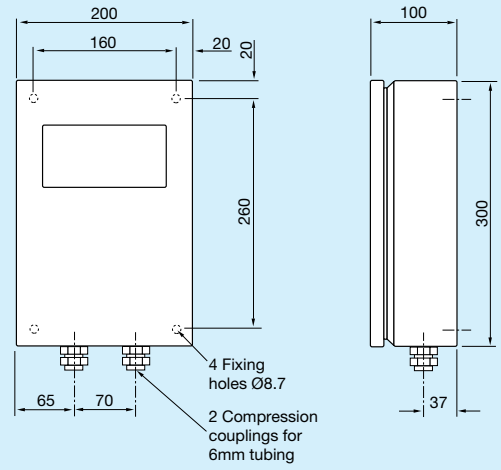
- Differential pressure sensing – static pressure, vacuum. Detection of blocked filters, fan suction, etc.
- Air flow monitoring in ducts, pipes, tunnels, roadways, etc.
- Robust pitot tube available for true air flow sensing.





Technical Details

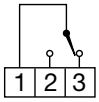
Pressure Operating Range:	12 Pa...3000 Pa (rising pressure).
Sensing Principle:	Differential Pressure.
Set Point Hysteresis:	5 Pa...200 Pa (progressive).
Air Flow Operating Range:	3m/sec...40m/sec (rising flow) (when used with TX1310 Pitot Tube).
Set Point Hysteresis:	1m/sec below operating point.
Maximum Static Pressure:	3500 Pa (35 mbar).
Ambient Temperature Limits:	–5...40°C.
Housing Material:	Sheet Steel.
Pitot Tube Material:	Brass.
Protection Classification:	Dust and waterproof to IP66.
Electrical Connections:	3mm screw terminals.
Nett Weight:	4Kg.



All dimensions in mm

Electrical Details

Contact Operation



Contacts are shown in the 'NO FLOW' condition. Changeover occurs on a rising air flow or pressure. There is a time delay of between 10 and 20 seconds on the operation of the contact. The duration of the delay is dependent upon the prevailing air flow conditions and will override momentary interruptions or surges.

Contact Rating	230V ac, 5 Amps

Order Reference

TX5901 **DP AIR FLOW SWITCH**

TX1310 **PITOT TUBE**

TX1390 **6mm NYLON CONNECTING TUBE.** (RED)

TX1391 **6mm NYLON CONNECTING TUBE.** (BLUE)

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