Air Flow Switch

for Ducts

measuring • monitoring • analyzing

LSP

- Adjustable Switch Point
- Micro Switch Rated to 15 Amps
- Max. Temperature: 185 °F

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Description

KOBOLD LSP air flow switches are widely used to control flow setpoints in HVAC applications. In addition to being rugged, they have the added benefit of being inexpensive. The principle of operation is quite simple. Air flow exerts a force on a paddle, actuating a dust-tight microswitch. The switching point may be adjusted continuously within a wide range, making the LSP useful for a large variety of applications.

The instrument is factory set to switch at 195 FPM. To handle air velocities of more than 920 FPM, the paddle may be cut at a precalibrated mark. This automatically changes the factory set point to 490 FPM.

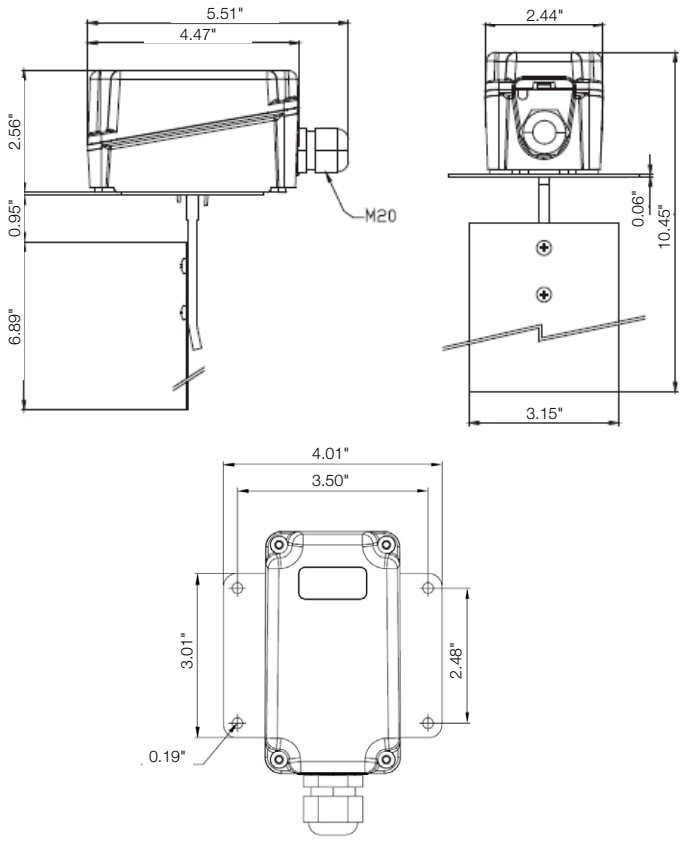
Applications

- Air Ducts in Air Conditioning Systems
- Air Discharge and Exhaust Gas Channels
- Pneumatic Conveyors
- On Filters
- On Cyclones
- Cooling and Drying Plants
- Ventilator/Blower Performance Monitoring

Specifications

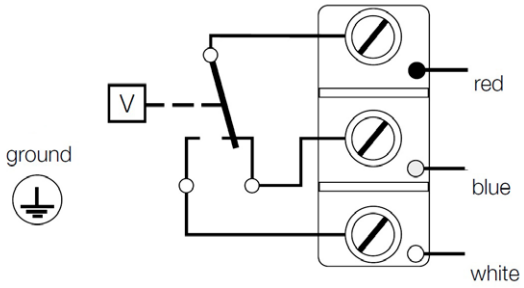
Adjustable Velocity Range	
Switch-off Values:	195...1575 FPM
Switch-on Values:	495...1810 FPM
Installation:	Vertical, in Horizontal Air Ducts
Inlet/Oulet Pipe Sections:	Each with 5 x DN
Media/Environment Temperature:	Max. 185 °F
Electrical Details	
Micro Switch:	Dust-proof SPDT
Switching Voltage:	24...250V_{AC}
Switching Current:	Max. 8A (Inductive Load) Max. 15A (Resistive Load)
Air Temperature:	Max. 185 °F
Material	
Paddle:	304 SS
Lever:	Brass
Housing:	ABS, Fiberglass
Mounting Plate:	Zinc-plated Steel
Flat Gasket:	Flexoid
Protection:	IP65 (External)

Dimensions



Electrical Connection

RED-WHITE closes with increasing speed
RED-BLUE closes with decreasing speed



Order Details: (Example: **LSP-1100P**)

Adjustable Velocity Range FPM				Order Number
Switching-off		Switching-on		
Min.	Max.	Min.	Max.	
195	1575	495	1810	**LSP-1100P**