Air Flow Switch
for Ducts

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

KOBOLD LPS 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 LPS 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.

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)

Order Details: (Example: LPS-1100P)

<table>
<thead>
<tr>
<th>Adjustable Velocity Range</th>
<th>Order Number</th>
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<tbody>
<tr>
<td>Switching-off FPM</td>
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Electrical Connection
RED-WHITE closes with increasing speed
RED-BLUE closes with decreasing speed

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