Air Flow Switches

**Model 530**

**Air Flow Switch**

Adjustable from 400-1600 FPM, Stainless Steel Vane

![Diagram of Air Flow Switch](image)

**SPECIFICATIONS**

- **Service:** Air and non-combustible gas flow.
- **Wetted Materials:** Contact factory.
- **Vane:** Stainless steel.
- **Temperature Limit:** 180°F (82°C).
- **Switch Type:** SPDT.
- **Electrical Rating:**
  - 125 VAC - 9.8 amp full load 58.8 amp locked rotor;
  - 250 VAC - 4.9 amp full load 29.4 amp locked rotor;
  - Pilot rating: 470 VA at 125, 250 VAC;
  - Resistive: 15 amp at 125, 250, or 480 VAC.
- **Electrical Connections:** Screw type terminal.
- **Conduit Connection:** 7/8˝ conduit hole.
- **Mounting Orientation:** Horizontal duct flow.
- **Set Point Adjustment:** Screw type.
- **Weight:** 1 lb 1 oz (481.94 g)
- **Agency Approvals:** CE, CSA, UL.

**CAUTION:** For use only with air or non-combustible non-corrosive gases. Unit is not sealed against dust.

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**Model 530, Air Flow Switch**

Range 400-1600 FPM mounted on top of horizontal duct.

**Model 530**

- **Price:** $78.00

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**Series AVFS**

**Air Flow Switch**

Monitors Flow in Ducts with Contact Output and Local LED Indication

The new Series AVFS Adjustable Air Flow Switch complements the Dwyer Instruments line of thermo-anemometer transmitters and handheld instruments. The AVFS is specifically designed to monitor air flow in ducts and provides a 5A contact output to indicate a change or loss of flow. Simply turn on the fan or air handling unit and adjust the set-point via the potentiometer to show normal status. Then alter a damper or decrease fan speed to activate the AVFS. The AVFS will signal a loss of flow and the N.O. SPST output will indicate the detected decrease. For ease of installation and system troubleshooting, the Series AVFS possesses a red/green LED indication to provide local status if the air flow is above (green) or below (red) the set-point. The AVFS provides a +/-5% set-point repeatability across a full scale range of 1-10 m/s (197-1969 fpm) and includes a mounting bracket for quick duct mounting. The AVFS Series Adjustable Air Flow Switches come in a compact, rugged PBT enclosure that is rated IP65, making them ideal for any ventilation system installation or similar BAS application.

**APPLICATIONS**

- Fan monitoring
- Filter monitoring
- Damper feedback
- Air handlers

**SPECIFICATIONS**

- **Air Velocity Range:** 197-1969 FPM (1-10 m/s).
- **Temperature Limits:** 5 to 122°F (-10 to 50°C).
- **Humidity Limits:** 0-90% RH.
- **Wetted Materials:** PBT body, titanium sensor.
- **Pressure Limit:** 14.7 psig (1 bar).
- **Housing:** PBT.
- **Repeatability:** ±5% FS.
- **Switch Type:** N.O. SPST.
- **Electrical Rating:** 3 A @ 30 VDC/250 VAC.
- **Response Time:** 3-60 seconds. Varies with flow and set point.
- **Power Requirement:** AVFS-1: 80 to 250 AC/DC (47 to 63 Hz AC); AVFS-2: 24 VDC ±25%.
- **Power Consumption:** 3 VA.
- **Electrical Connection:** 6.5 ft (2 m) cable.
- **Enclosure Rating:** IP65.
- **Display:** 1 Red LED/1 Green LED.
- **Weight:** 7.2 oz (203 g)
- **Agency Approvals:** CE.

**Model AVFS-1, 80-250 AC/DC Power Thermo Air Flow Switch**

- **Price:** $222.00

**Model AVFS-2, 24 VDC Power Thermo Air Flow Switch**

- **Price:** $222.00

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Items are subject to Schedule B discounts.