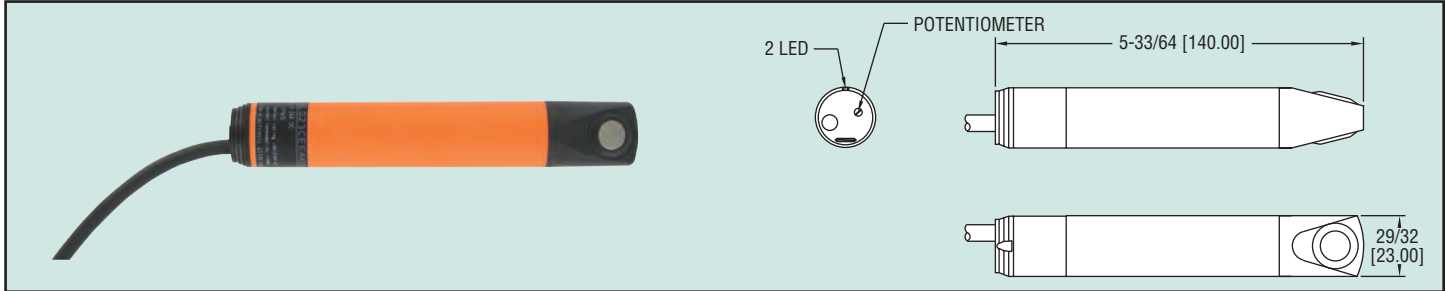




Series  
AVFS

# 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 3A 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

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