The Model 530 air flow switch provides excellent sensitivity and reliability at a very reasonable price. Quality features include a rugged die cast body, stainless steel vane and SPDT snap switch. Unit is field adjustable from 400-1600 FPM. Mounting is fast and simple, with only two screws needed. Vane fits 6 in. or larger ducts.

Model 530, Air Flow Switch

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

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

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.
Enclosure Rating: IP65.
Display: 1 Red LED/1 Green LED.
Weight: 7.2 oz (203 g).
Agency Approvals: CE.