

FAN AND FILTER FAN AIR FLOW MONITOR



AFM Series

Reliable Mechanical Switch Contact
Small Size
Economical
Installs
Via Clip or Clamp



The air-flow monitor provides a simple alternative to indicate positive or negative air flow of fans. When properly installed and connected in series with an optical (i.e. LED) or audible signaling device, a bi-directional switch will activate an electrical contact if the air flow of the fan falls below 8.2 ft/s, turning the signaling device on or off.

SPECIFICATIONS

Contact Type: Reed/magnet contact
NC (Normally Closed): Contact open with air flow

NO (Normally Open): Contact closed with air flow

Switching Threshold of Air Flow

Speed: >8.2 ft/s (2.5 m/s)

Hysteresis: 3.3 ft/s (1 m/s)—fixed

Contact Resistance Incl. Wire:

370 m (1214')

Service Life: >100,000 cycles

Maximum Switching Capacity: 10 W (resistive load)

Maximum Switching Voltage: NC, AC/DC 240 V/NO, DC 60V

Maximum Switching Current: NC, DC 500 mA/NO, DC 170 mA

Connection: 2 x single strand AWG 26, length 500 mm (20"), tip of stranded wire stripped/tinned 5 mm (0.20")

Mounting: Attachment clamp and/or clip, or integrated in protective grill

Housing: Plastic, UL 94HB, black

Dimensions: 34 x 17.5 x 7.5 mm (1.3 x 0.7 x 0.3")

Mounting Position: Air-flow monitor opening perpendicular to air flow

Operating Temperature:

-20 to 50°C (-4 to 122°F)

Storage Temperature:

-20 to 80°C (-4 to 176°F)

Protection Type: NEMA 1 (IP 20)

Agency Approvals: CE

RoHS

