



The air-flow monitor provides a simple alternative to indicate positive or negative air flow of fans or blowers. 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. The AFM monitor can also be attached to an existing plastic grill or guard.

## 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 (1m/s) - fixed

**Contact Resistance Incl. Wire:** 370m (1214")

**Service Life:** >100,000 cycles

**Maximum Switching Capacity:** 10W (resistive load)

**Maximum Switching Voltage:** NC - AC/DC 240V

NO - DC 60V

**Maximum Switching Current:** NC - DC 500mA

NO - DC 170mA

**Connection:** 2 x single strand AWG26, length 500mm (20"), tip of stranded wire stripped/tinned 5mm (0/20")  
NC version (black wires), NO version (blue wires)

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

**Mounting Position:** Air-flow monitoring 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)

**Housing:** Plastic, UL 94HB, black

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

**Protection Type:** NEMA 1 (IP 20)

**Agency Approvals:** CE

**RoHS Compliant**

| Model No.        | Description  | Weight        |
|------------------|--|---------------|
| <b>AFM-01NC</b>  | Air-flow switch, NC with mounting clip and clamp (for attaching to existing fan assembly)  | 6 g (0.2 oz)  |
| <b>AFM-01NO</b>  | Air-flow monitor, NO with mounting clip and clamp (for attaching to existing fan assembly) | 6 g (0.2 oz)  |
| <b>AFM-80NC</b>  | Air-flow monitor, NC with 80 x 80mm (3.15") plastic finger guard                           | 20 g (0.7 oz) |
| <b>AFM-80NO</b>  | Air-flow monitor, NO with 80 x 80mm (3.15") plastic finger guard                           | 20 g (0.7 oz) |
| <b>AFM-92NC</b>  | Air-flow monitor, NC with 92 x 92mm (3.62") plastic finger guard                           | 20 g (0.7 oz) |
| <b>AFM-92NO</b>  | Air-flow monitor, NO with 92 x 92mm (3.62") plastic finger guard                           | 20 g (0.7 oz) |
| <b>AFM-120NC</b> | Air-flow monitor, NC with 120 x 120mm (4.27") plastic finger guard                         | 31 g (1.1 oz) |
| <b>AFM-120NO</b> | Air-flow monitor, NO with 120 x 120mm (4.27") plastic finger guard                         | 31 g (1.1 oz) |

|                |  |  |
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| <b>AFM-KIT</b> | Kit includes air-flow switch (AFM-01NC), clip, three plastic guards (80, 92 and 120mm), LED and holder, buzzer, switch and wall-mount power supply. Delivered with a complete 10-foot wire assembly. |  |
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