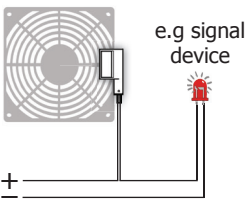


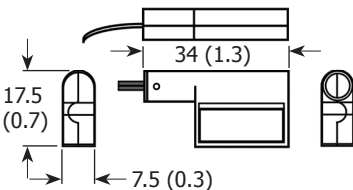
Dimensions: mm (inch)

Wiring Example



Air-flow monitor integrated in a protective plastic grill

92 x 92 / 120 x 120
(3.62 x 3.62 / 4.72 x 4.72)



80 x 80
(3.15 x 3.15)

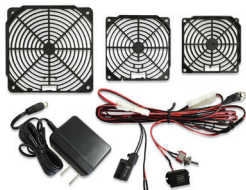
The air-flow monitor provides a simple alternative to indicate positive or negative air flow of fans or blowers. When properly installed and connected in series with an optical (i.e. LED) or audible signaling device, a bi-directional switch will activate an electrical contact if the air flow of the fan 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
AFM-01NC	Air-flow switch, NC with mounting clip and clamp (for attaching to existing fan assembly)	6 g (0.2 oz)
AFM-01NO	Air-flow monitor, NO with mounting clip and clamp (for attaching to existing fan assembly)	6 g (0.2 oz)
AFM-80NC	Air-flow monitor, NC with 80 x 80mm (3.15") plastic finger guard	20 g (0.7 oz)
AFM-80NO	Air-flow monitor, NO with 80 x 80mm (3.15") plastic finger guard	20 g (0.7 oz)
AFM-92NC	Air-flow monitor, NC with 92 x 92mm (3.62") plastic finger guard	20 g (0.7 oz)
AFM-92NO	Air-flow monitor, NO with 92 x 92mm (3.62") plastic finger guard	20 g (0.7 oz)
AFM-120NC	Air-flow monitor, NC with 120 x 120mm (4.27") plastic finger guard	31 g (1.1 oz)
AFM-120NO	Air-flow monitor, NO with 120 x 120mm (4.27") plastic finger guard	31 g (1.1 oz)

AFM-KIT	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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Orion Fans:

[AFM-92NC](#) [AFM-80NC](#) [AFM-92NO](#) [AFM-120NC](#) [AFM-01NC](#) [AFM-120NO](#) [AFM-01NO](#) [AFM-80NO](#) [AFM-KIT](#)