AFM Series

Air Flow Monitor

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

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>AFM-01NC</td>
<td>Air-flow switch, NC with mounting clip and clamp (for attaching to existing fan assembly)</td>
<td>6 g (0.2 oz)</td>
</tr>
<tr>
<td>AFM-01NO</td>
<td>Air-flow monitor, NO with mounting clip and clamp (for attaching to existing fan assembly)</td>
<td>6 g (0.2 oz)</td>
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<tr>
<td>AFM-80NC</td>
<td>Air-flow monitor, NC with 80 x 80mm (3.15&quot;) plastic finger guard</td>
<td>20 g (0.7 oz)</td>
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<tr>
<td>AFM-80NO</td>
<td>Air-flow monitor, NO with 80 x 80mm (3.15&quot;) plastic finger guard</td>
<td>20 g (0.7 oz)</td>
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<tr>
<td>AFM-92NC</td>
<td>Air-flow monitor, NC with 92 x 92mm (3.62&quot;) plastic finger guard</td>
<td>20 g (0.7 oz)</td>
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<tr>
<td>AFM-92NO</td>
<td>Air-flow monitor, NO with 92 x 92mm (3.62&quot;) plastic finger guard</td>
<td>20 g (0.7 oz)</td>
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<tr>
<td>AFM-120NC</td>
<td>Air-flow monitor, NC with 120 x 120mm (4.72&quot;) plastic finger guard</td>
<td>31 g (1.1 oz)</td>
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</tbody>
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**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.