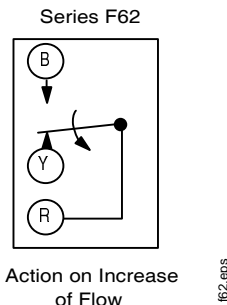


F62 Series

Airflow Switch (SPDT – Contact Unit)

Description

This control detects air flow or the absence of air flow in ducts, responding only to the velocity of air movement. The one-piece stainless steel paddle can be trimmed, if necessary. The control is supplied with mounting plate gasket. The range adjusting screw permits field adjustment of flow rate setting.



F62 Series Action Diagram

Features

- rugged steel enclosure
- easy access to wiring terminals

Applications

A typical application includes air flow sensing in make-up air and exhaust systems.



F62AA-8

Technical Specifications

Electrical Ratings

| Motor Ratings VAC | 120 | 208 | 240 | 277 |
|------------------------------------|-------------------|-------------------|-------------------|-------------------|
| Nominal Horsepower | 1 | 1 | 1 | — |
| AC Full Load A | 16.0 | 8.8 | 8.0 | — |
| AC Locked Rotor A | 96.0 | 52.8 | 48.0 | — |
| Non-Inductive or Resistance Load A | 22.0 ¹ | 22.0 ¹ | 22.0 ¹ | 22.0 ¹ |
| Pilot Duty – 125 VA, 120/277 VAC | | | | |

1. SPST normally closed or normally open rating. SPDT rating is 16.0 amp

Air Velocity Required to Actuate Switch

| Paddle Width (in.) | Switch Actuation on Flow | Minimum Air Velocity in FPM (m/sec) Required to Actuate Control ¹ | | | |
|--------------------|--------------------------|--|--|--|--|
| | | Horizontal Flow | | Vertical Flow (Upward) | |
| | | 50 in. ² (323 cm ²) or Larger Duct Area | Less than 50 in. ² (323 cm ²) Duct Area | 50 in. ² (323 cm ²) or Larger Duct Area | Less Than 50 in. ² (323 cm ²) Duct Area |
| 2-1/8 | Increase (R to Y Closes) | 625 (3.2) | 575 (2.9) | 950 (4.8) | 750 (3.8) |
| | Decrease (R to B Closes) | 325 (1.7) | 220 (1.1) | 850 (4.3) | 575 (2.9) |
| 3-1/8 | Increase (R to Y Closes) | 500 (2.5) | 350 (1.8) | 750 (3.8) | 500 (2.5) |
| | Decrease (R to B Closes) | 250 (1.3) | 100 (.5) | 650 (3.3) | 350 (1.8) |

1. These are only approximations. Actual trip points are affected by air turbulence, humidity, air density, air temperature, and other factors.

Selection Chart

| Code Number | Paddle Size in. | Dimension | Max Ambient Temp. °F (°C) | Max. Air Velocity |
|-----------------------|-----------------------|---|---------------------------|----------------------|
| F62AA-8C ¹ | 2-1/8 in. x 6-7/8 in. | 10-3/8 in. H (including paddle), 4 in. W, 2-13/16 in. D | 100 (40) | 2000 FPM (10 m/sec.) |
| F62AA-9C | 3-1/8 in. x 6-7/8 in. | 10-3/8 in. H (including paddle), 4 in. W, 2-13/16 in. D | 100 (40) | 2000 FPM (10 m/sec.) |

1. Replaces McDonnell Miller AF-2

Note: See [F61 and F62 Series Replacement Paddles Catalog Page LIT-1922525](#) for replacement paddles.