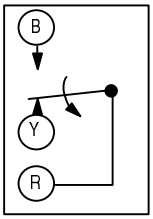
JOHNSON CONTROLS

Controls Group 507 E. Michigan Street
P.O. Box 423, Milwaukee, WI 53202
Code No. LIT-1922520

F62 Series

Airflow Switch (SPDT – Contact Unit)

Series F62



Action on Increase of Flow

F62AA-8

Features

- rugged steel enclosure
- easy access to wiring terminals

Accessories

- replacement paddles (see selection chart below)

Applications

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

To Order

Specify the code number from the following selection chart.

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.

Selection Chart

Code Number	Paddle Size in.	Dimension	Max Ambient Temp. °F (°C)	Max. Air Velocity
F62AA-8 [(a)]	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-9	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.)

(a) Replaces McDonnell Miller AF-2

Electrical Ratings

Motor Ratings VAC	120	208	240	277
Nominal Horsepower	1	1	1	–
AC Full Load Amp	16.0	8.8	8.0	–
AC Locked Rotor Amp	96.0	52.8	48.0	–
Non-Inductive or Resistance Load Amp	22.0[(a)]	22.0[(a)]	22.0[(a)]	22.0[(a)]
Pilot Duty – 125 VA, 120/277 VAC				

(a) 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 [(a)]			
		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)

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