

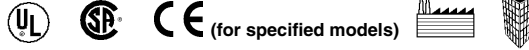


Flow Switches

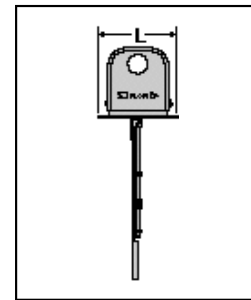
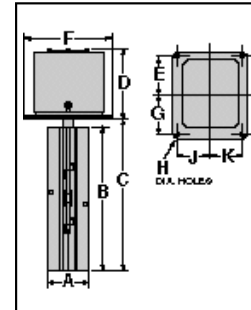
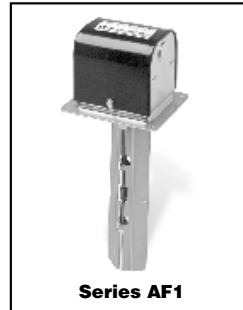
McDonnell & Miller

Flow Switches – Air

Series AF1 Air Flow Switches



- For general purpose applications with medium and high velocity requirements
- Paddle fits 8" (203mm) minimum duct size, or 6" (152mm) if trimmed
- Brass, steel and aluminum construction
- Single pole, double throw snap switch
- Sensitivity adjusting screw makes flow adjustment easy
- Two electrical knock-outs allow connection from either end
- Can be equipped with a time delay relay
- Optional features
 - Stainless steel
 - Anti-corrosion treatment
- Minimum ambient temperature 32°F (0°C)
- Maximum duct temperature 300°F (149°C)



Ordering Information

Model Number	Part Number	Description	Weight lbs. (kg)
AF1	122800	Air flow switch	2.0 (.9)
AF1-S	123000	AF1 w/SS paddle	2.0 (.9)
AF1-J	122920	AF1 w/corrosion coating	2.5 (1.1)
AF1-J-E	122921	AF1-J-CE conformance rated	2.5 (1.1)

See pages 132 for CE conformance information

Electrical Ratings

Voltage	Motor Switch Rating (Amperes)		Pilot Duty
	Full Load	Locked Rotor	
120 VAC	7.4	44.4	125 VA at 120 or 240 VAC 50 or 60 cycles
240 VAC	3.7	22.2	

Dimensions, in. (mm)

A	B	C	D	E	F
2 1/8 (54)	7 5/16 (186)	7 23/32 (196)	3 7/16 (16)	1 29/32 (48.4)	4 3/8 (111)
G	H	J	K	L	
1 29/32 (48.4)	9/32 (4.2)	1 19/32 (40.5)	1 19/32 (40.5)	3 13/16 (48.4)	

Flow Rates – feet per minute (meters per minute)

Horizontal Duct (Recommended Installation)

Paddle Length	Settings	Mode of Operation	
		Flow fpm (mpm)	No Flow fpm (mpm)
Standard 7 1/4" (184mm)	Factory or Minimum	480 (146)	185 (56)
	Maximum	1385 (422)	1160 (354)
Trimmed 2" (51mm) 5 1/4" (133mm)	Factory or Minimum	700 (213)	220 (67)
	Maximum	2230 (680)	1820 (555)

Based on Standard Air 0.075 pounds per Cubic Foot (1.205 kg/m³)
Values are ± 10%

Vertical Duct (Upward Flow)

Paddle Length	Settings	Mode of Operation	
		Flow fpm (mpm)	No Flow fpm (mpm)
Standard 7 1/4" (184mm)	Factory or Minimum	910 (277)	785 (239)
	Maximum	1610 (491)	1460 (445)
Trimmed 2" (51mm) 5 1/4" (133mm)	Factory or Minimum	1235 (376)	1050 (320)
	Maximum	2560 (780)	2410 (735)

Based on Standard Air 0.075 pounds per Cubic Foot (1.205 kg/m³)
Values are ± 10%

Flow Switches