



Johnson  
Controls

### DESCRIPTION

The **Johnson Control F262 Series airflow switch** detects airflow or the absence of airflow by responding only to the velocity of air movement within a duct. The single-pole, double-throw (SPDT) control can be wired to open one circuit and close a second circuit for either signaling or interlock purposes.

NEW!

### FEATURES

- **Type 3R (NEMA) Polycarbonate enclosure**
- **Dependable dust-protected SPDT snap-acting PENNswitch**
- **Large wiring space**
- **Easily accessible range adjustment screw**



F262 Series

FC

CE

UL

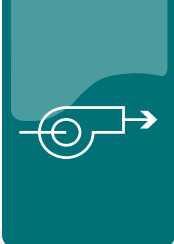
UL US

6

FLOW

SPECIFICATIONS			
<b>Switch</b>	SPDT	<b>Maximum Duct Air Temperature</b>	176°F (80°C)
<b>Enclosure</b>	UL: Type 3R CE: IP43	<b>Mounting</b>	Flange 4" x 3"
<b>Wiring Connections</b>	Three color-coded screw terminals and one ground terminal	<b>Ambient Conditions</b>	32 to 104°F (0 to 40°C)
<b>Conduit Connection</b>	One 7/8" (22 mm) hole for 1/2" trade size (or PG16) conduit	<b>Dimensions</b>	7 11/16"H x 3 1/8"W x 3 1/2"D
<b>Paddle Material</b>	0.006" (0.15 mm) stainless spring steel	<b>Approvals</b>	cULus Listed: UL 60730, File E6688, FCC Compliant to CFR47, Part 15, Subpart B, Class B Industry Canada (IC) Compliant to Canadian ICES-003, Class B limits
<b>Maximum Air Velocity</b>	2,000 FPM (10.16 m/sec)		

TECHNICAL SPECIFICATIONS						
F262 Switch Electrical Ratings						
Volts 50/60 Hz	UL60730				EN60730	
	24	120	208	240	24	230
Horsepower	—	1	1	1	—	—
Full Load Amperes	—	16	10	10	—	8
Locked Rotor Amperes	—	96	60	60	—	48
Resistive Amperes	16	16	10	10	16	16
Plot Duty VA	125	720	720	720	125	720



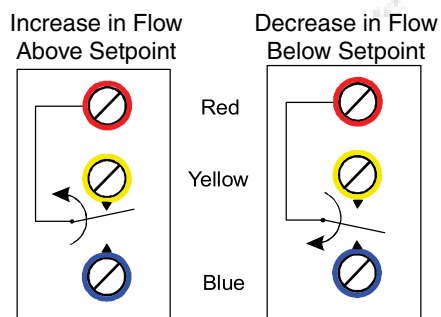
### FLOW RATE TABLE

Flow Rate Table, FPM (m/second)

Paddle Width	Switch Actuation on Flow	Minimum Air Velocity Required to Activate Control			
		Horizontal Flow		Vertical Flow	
		50 in. <sup>2</sup> (323 cm <sup>2</sup> ) or larger Duct Area	Less Than 50 in. <sup>2</sup> (323 cm <sup>2</sup> ) Duct Area	50 in. <sup>2</sup> (323 cm <sup>2</sup> ) or larger Duct Area	Less Than 50 in. <sup>2</sup> (323 cm <sup>2</sup> ) Duct Area
2-1/8 in.	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 in.	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 (0.5)	650 (3.3)	350 (1.8)

### WIRING

The terminals are color coded. Red is common.

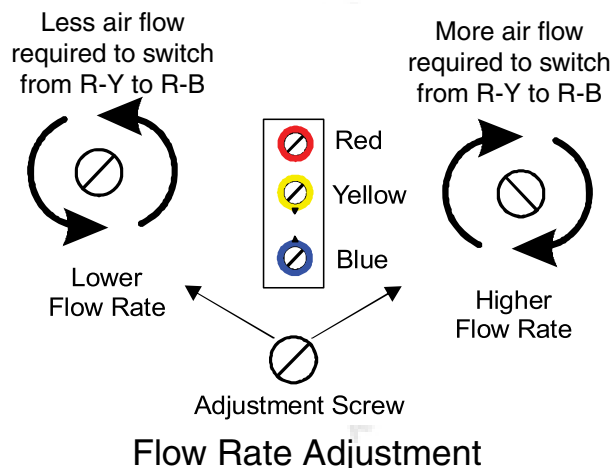


F262 Control Switch Action

The circuit between the red and yellow terminals closes when the required airflow velocity is reached within the duct where the switch is installed.

An indicator light or signal, when connected to the blue terminal, activates when the airflow decreases or ceases.

### FLOW RATE ADJUSTMENT



### ORDERING INFORMATION

**MODEL**  
F262KDH-01C

**DESCRIPTION**

Airflow switch with a 2 1/8" wide x 6 7/8" long paddle installed and a 3 1/8" wide x 6 7/8" paddle supplied with the control