

F262 Airflow Switch

Description

The F262 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.

Airflow failure during the normal operation of air handling systems may cause overheating, coil icing, or other conditions that may be detrimental to the equipment.

Refer to the *F262 Airflow Switch Product Bulletin (LIT-12011988)* for important product application information.

Application

The F262 switch detects airflow or the absence of airflow by responding only to the velocity of air movement within a duct. The SPDT control can be wired to open one circuit and close a second circuit for either signaling or interlock purposes.

Failure of airflow during the normal operation of air handling systems may cause overheating, coil icing, and other conditions that may be detrimental to the equipment.

Typical applications include:

- Make-up air systems
- Air cooling or heating processes
- Exhaust systems

The control has a Type 3R (NEMA) enclosure with an integral mounting plate. A mounting plate gasket is supplied with each switch.

Features

- **Type 3R (NEMA) Polycarbonate enclosure** allows use in indoor applications and provides dust protection and is approved for use in a plenum according to NEC
- **Dependable dust-protected SPDT snap-acting PENNswitch** detects the presence or absence of airflow
- **Large wiring space** makes wiring convenient and easily accessible
- **Easily accessible range adjustment screw** allows easy field adjustment



F262 Airflow Control

Repair Information

If the F262 Airflow Switch fails to operate within its specifications, replace the unit. For a replacement F262 Airflow Switch, contact the nearest Johnson Controls® representative.

Selection Chart

F262 Airflow Switch

Product Code Number	Description
F262KDH-01C	Airflow switch with a 2-1/8 in. wide x 6-7/8 in. long (54 mm x 175 mm) paddle installed and a 3-1/8 in. wide x 6-7/8 in. long (79 mm x 175 mm) paddle supplied with the control

Replacement Paddle Kits for F262 Switch

Product Code Number	Description
PLT112-1R	2-1/8 in. wide x 6-7/8 in. long (54 mm x 175 mm) paddle
PLT112-2R	3-1/8 in. wide x 6-7/8 in. long (79 mm x 175 mm) paddle

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



F262 Airflow Switch (Continued)

F262 Series Airflow Switch

Switch	SPDT
Enclosure	UL: Type 3R CE: IP43
Wiring Connections	Three color-coded screw terminals and one ground terminal
Conduit Connection	One 7/8 in. (22 mm) hole for 1/2 in. trade size (or PG16) conduit
Paddle Material	0.006 in. (0.15 mm) stainless spring steel
Maximum Air Velocity	2,000 FPM (10.16 m/sec)
Maximum Duct Air Temperature	176°F (80°C)
Ambient Conditions	32 to 104°F (0 to 40°C)
CE	North America: 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
	Europe: CE Mark – Johnson Controls, Inc. declares that this product is in compliance with the essential requirements and other relevant provisions of the EMC Directive and the Low Voltage Directive.
	Australia/New Zealand Mark: RCM Compliant