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CATALOG KỸ THUẬT · JOHNSON CONTROLS

Công tắc dòng chảy FS80-C

flow switch cánh gạt · ống 1"-6" · 1,5 MPa

FS80-C Johnson Controls – công tắc dòng chảy (flow switch) cánh gạt cho ống 1"-6", áp tối đa 1,5 MPa, nước -25–110 °C, SPDT, IP55, bảo vệ chiller khi mất nước.

Mã: FS80-C · Hãng: Johnson Controls · Hotline: 093 797 2339

dlk.com.vn/fs80-c-johnson-controls-cong-tac-dong-chay.html



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FS80-C Flow Switch

Introduction

The FS80-C Flow Switch controls fluid flow in lines carrying water, ethylene glycol, or other on-hazardous fluids. A variety of paddle sizes manage fluid flow rates in applications with pipe sizes greater than 1-inch trade size. The Single-Pole, Double-Throw (SPDT) feature is wired to energize one device and de-energize another device powered from the same source when liquid flow either exceeds or drop below the set flow rates.



Figure 1: FS80-C Flow Switch

Features and Benefits

Maximum fluid pressure of 1.5MPa	Useable in a wide range of pressure flow conditions
Adjustable flow switch paddle	1 in. to 6 in. pipe application
Adjustable flow rate range	Setting selection according to system need
IP55 enclosure	Indoor or outdoor applications

Application

Important: The FS80-C Flow Switch is designed for use only as operating controls. Where an operating control failure would result in personal injury and/or loss of property, it is the responsibility of the installer to add devices (safety limit controls) that protect against, or systems (alarm or supervisory systems) that warn of, control failure.

Use the FS80-C Flow Switch in applications with fluid pressures up to 1.5MPa. A typical application for a FS80-C Flow Switch is to shut down the refrigeration compressor on a fluid chiller system if flow stops, reducing chances of chiller freeze-ups.

IP55 enclosure

The FS80-C Flow Switch is suitable for both indoor or outdoor applications in high-humidity environments. Use this model with pipes carrying fluids at temperatures in the range of -25 - 110° C where fluid temperatures are above ambient dew point.

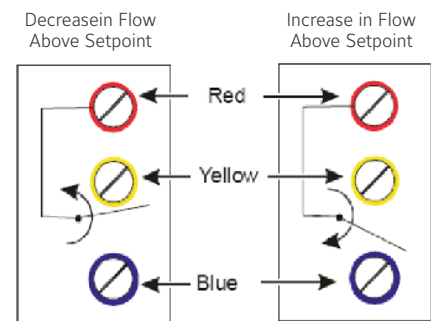


Figure 2: Switch action

The SPDT switch on the FS80-C Flow Switch has color-coded terminals. Red is common, and closed to blue upon flow increase and to yellow upon flow decrease. See Figure 2 and Table 1 for switch action and flow rates.

Technical Specifications

Product	FS80-C Flow Switch	
Maximum fluid pressure	1.5MPa	
Fluid temperature	Minimum: -25° C Maximum: 110° C	
Ambient temperature	Minimum: -20° C Maximum: 60° C	
Electrical rating	110VAC	220VAC
Horsepower (HP)	1	1
Full load amperes (A)	16	8
Locked rotor amperes (A)	96	48
Non-inductive amperes (A)	16	16
Pilot duty	125VA at 24-277VAC	
Wiring connection	Screw type terminals	
Paddles	1 in., 2in., 3in., and 6in.	
Material	SS301	
Switch	SPDT	
Pipe connection	1" 11-1/2NPT threads	
Agency listings	CE	
Shipping weight, lb (kg)	1.26 (0.57)	



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