



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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FS Series Flow Switches

Flow detection switches



- 15mm and 22mm tube versions
- Low flow version available in 15mm tube
- Maximum Operating Pressure 10 bar
- WRAS approved for use in cold and hot water up to 85°C
- Temperature rated to 85°C

Technical Specification

Material	Acetal Resin
Colour	Black
Temp. Range °C	-20 / +85
°F	-4 / +185

		FS15A	FS15LF	FS22A
Must operate flow rate*	litres/min	2.0	0.90	3.75
	US Gal/min	0.53	0.24	0.99
Must release flow rate #	litres/min	0.3	0.25	1.40
	US Gal/min	0.08	0.07	0.37
Cable	25cm PVC insulated			

Electrical Specification

Contact Form	N/O with no flow	
Switching Power Max	VA	25
Switching Voltage AC Max	V	240
Switching Voltage DC Max	V	120
Switching Current Max	A	0.6

All ratings are for resistive load only.

These flow switches are designed for use in liquid flow systems at pressures up to 10 bar and temperatures up to 85°C.

The design is based around a moving magnet and a fixed reed switch with a low flow restriction.

The switches are designed to be used in liquids only and should not be used in systems with significant amounts of solid particles.

Standard Parts

	Must operate l/min	Must release l/min	Approvals
FS15A	2.0	0.3	WRAS
FS15LF	0.90	0.25	WRAS
FS22A	3.75	1.40	WRAS

* The switch will have operated (contacts close) when the flow rate rises above this value.

The switch will have released (contacts open) when the flow rate falls below this value.

NB Operate and release flow rates only apply when the switch is mounted with the flow direction vertical. The sensitivity of the switch is reduced when mounted with the flow direction horizontal.

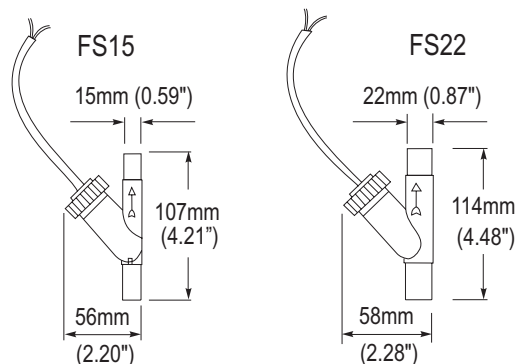
Installation

Flow switches can be mounted with the flow direction horizontal or vertical (upward flow). The cap with cable connection must always be upwards, as the piston is returned to its released position by gravity.

Custom versions can be made for particular applications. Please contact Cynergy3 with your requirements.

Mechanical Dimensions

All dimensions are in millimeters (inches)



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