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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LFS Series

Paddle Flow Switches

- ***Stainless steel SS304 paddle***
- ***3/4"PF or 1"PT mounting plug thread***
- ***IP65 Aluminium alloy housing or DIN 43650 connection***
- ***Use for flow detection in pipes from 1" bore to 3" bore***
- ***Maximum operating pressure 20 bar***

Technical Specification

Housing material	Aluminium Alloy	Paddle material	304grade SS
Temperature range	See chart below	Maximum pressure	20 bar
Set point tolerance	±25 %	Pressure drop	0.2 bar
Repeatability	±5%	Connection in housing or by DIN 43650	

Electrical Specification

Contact Form		SPDT
Switching Power Max	VA	40
Switching Voltage AC/DC Max	V	230
Switching Current Max	A	1.0

All ratings are for resistive load only.

Standard Parts	Mounting thread	Operating Temperature	Connection
LFS-01	1"NPT	-30 to +75°C	Terminate in housing
LFS-01H	1"NPT	-30 to +150°C	Terminate in housing
LFS-02	3/4"BSP	-30 to +75°C	Terminate in housing
LFS-02H	3/4"BSP	-30 to +150°C	Terminate in housing
LFS-03	1"NPT	-30 to +75°C	DIN 43650
LFS-03H	1"NPT	-30 to +120°C	DIN 43650
LFS-04	3/4"BSP	-30 to +75°C	DIN 43650
LFS-04H	3/4"BSP	-30 to +120°C	DIN 43650

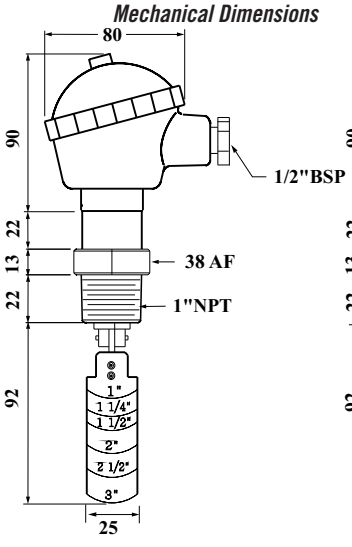
The LFS range of flow switches are paddle devices that are mounted vertically through a socket or upstand process connection.
Electrical connections are made within the housing, which has a screw on sealed lid and cable gland.
A choice of paddle sizes is supplied with each switch and selection can be made with reference to the chart opposite.

Pipe Dia	1"		1.25"		1.50"		2"		2.5"		3"	
Switch	Op	Rel	Op	Rel	Op	Rel	Op	Rel	Op	Rel	Op	Rel
Paddle length												
1"	19	15.2	32.2	24.7	45.5	34.1	64.4	56.8				
1.25"			24.7	17.1	34.1	26.5	56.8	45.5	87.1	75.8		
1.50"					53	37.9	87.1	60.6	121.2	94.7		
2"							68.2	45.5	90.9	64.4	125	102.3
2.5"									75.8	49.3	102.3	121.2
3"											83.3	60.6

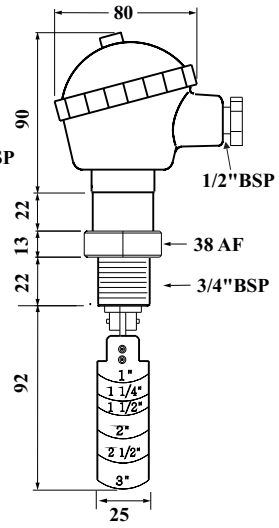
NB: Flow rates in litres per minute

Wiring Detail (LFS 03/04):-
Pin 1 = Common
Pin 2 = Make on flow (N/O)
Pin 3 = Break on flow (N/C)

Mechanical Dimensions



Model No. LFS-01/H



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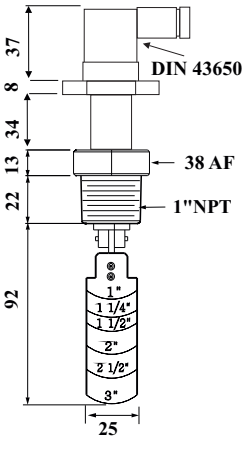
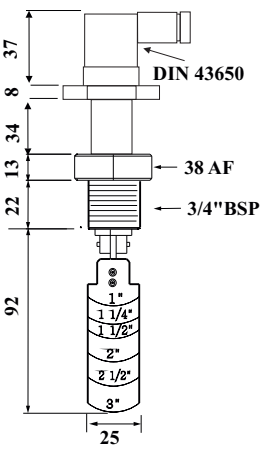


Model No. LFS-03/H



Model No. LFS-04/H

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ISO9001 CERTIFIED

LFS Series 2016

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