

## LFS SERIES

### PADDLE FLOW SWITCHES



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 below.

#### Features

- Stainless steel SS304 paddle
- 3/4" BSP or 1" NPT 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

## SPECIFICATIONS

### Technical

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

### Electrical

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

All ratings are for resistive load only.

## STANDARD PARTS

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

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	32	25	46	34	64	57				
1.25"			25	17	34	27	57	46	87	76		
1.50"					53	38	87	61	121	95		
2"							68	46	91	64	125	102
2.5"									76	49	102	121
3"											83	61

NB: Flow rates in litres per minute

Wiring Detail (LFS 03/04):-

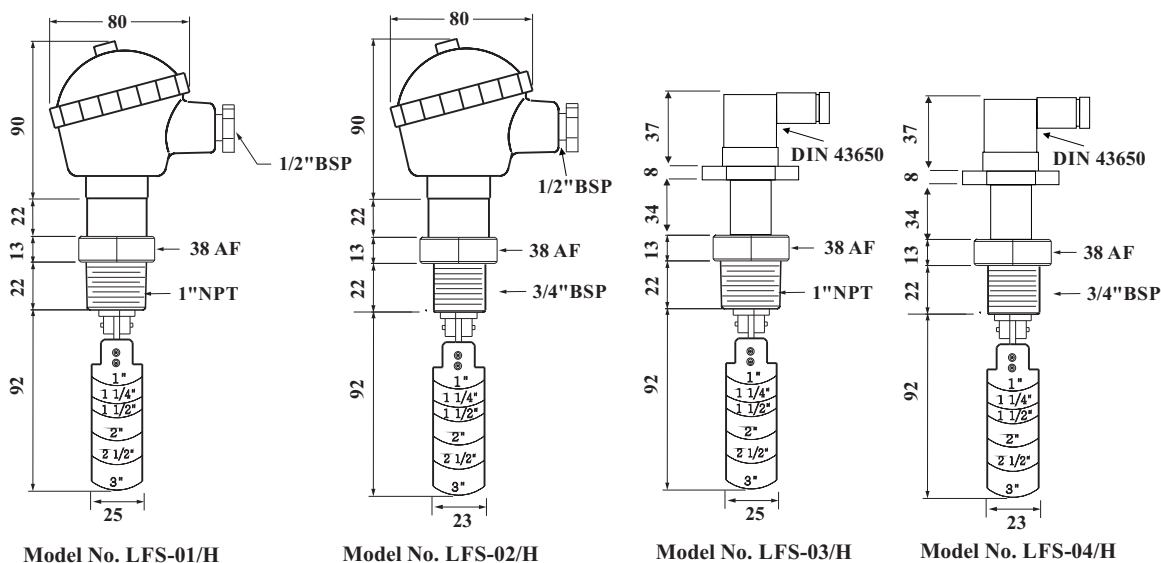
Pin 1 = Common

Pin 2 = Make on flow (N/O)

Pin 3 = Break on flow (N/C)



## DIMENSIONS



Made in the UK

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