



THE DATASHEET OF LFS-02



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

| 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 |

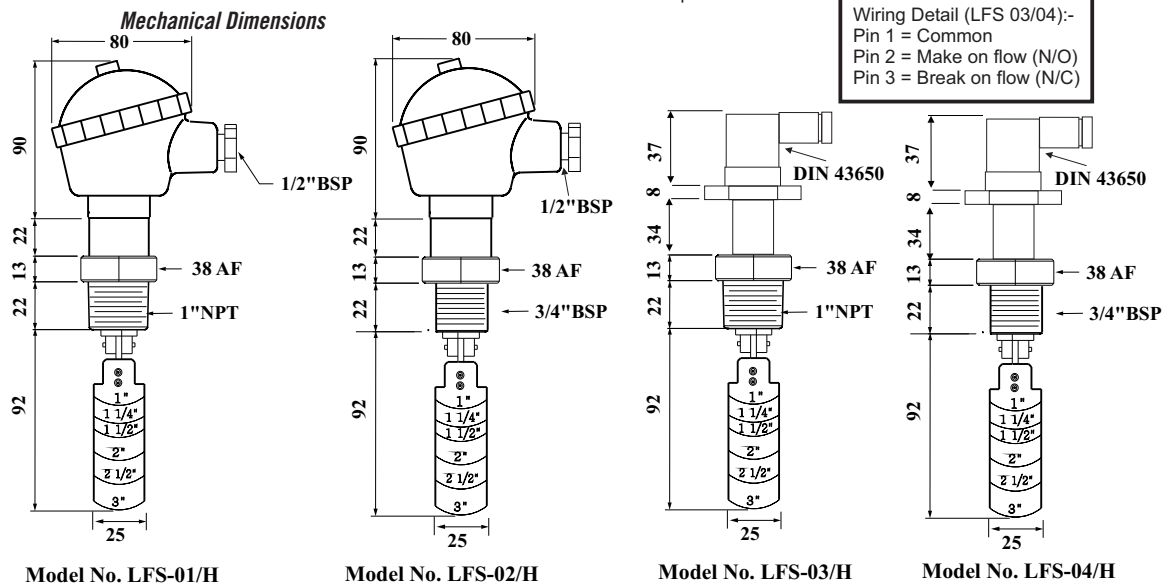
The LFS range of flow switches are paddle devices that are mounted vertically through a socket or upstand process connection.

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



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ISO9001 CERTIFIED



LFS Series 2016

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