FLOW SWITCH

FS Series - Flow Switch in Copper

FS-10

Design Features

- 15mm copper pipe
- Minimal pressure drop
- Operates from a small head of water
- Vertical mount /-15º
- Suitable for water and air flow switching

Product Comments

- 15mm copper pipe
- Suitable for hot and cold portable water
- Reed Switch reliability
- Meets UL 94-HB flammability rating
- Easy installation

Material, Design and Operation

<table>
<thead>
<tr>
<th>Mounting:</th>
<th>Flow Switch Vertical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material:</td>
<td>Copper</td>
</tr>
<tr>
<td>Fitting</td>
<td>Flow Switch 15mm pipe size</td>
</tr>
<tr>
<td>Contact Form:</td>
<td>Form A -SPST</td>
</tr>
<tr>
<td>Contact Material:</td>
<td>Ruthenium</td>
</tr>
<tr>
<td>Maximum Watts</td>
<td>15 Watts</td>
</tr>
<tr>
<td>Maximum Switching Volts:</td>
<td>300 VDC</td>
</tr>
<tr>
<td>Maximum Switching Current:</td>
<td>1.0A</td>
</tr>
<tr>
<td>Cable Type:</td>
<td>2 x 16/0.2mm PVC insulated 1.0M long</td>
</tr>
<tr>
<td>Cable Colour:</td>
<td>Black/Black</td>
</tr>
<tr>
<td>Operating Temperature Range:</td>
<td>85 ºC</td>
</tr>
<tr>
<td>Medium/Liquid:</td>
<td>Water</td>
</tr>
<tr>
<td>Flow Rate:</td>
<td>0.5 litres/min</td>
</tr>
<tr>
<td>Operating Pressure:</td>
<td>10BAR</td>
</tr>
<tr>
<td>Mounting Shock:</td>
<td>50g for 11ms duration</td>
</tr>
<tr>
<td>Mounting Vibration:</td>
<td>35g up to 500Hz</td>
</tr>
</tbody>
</table>

Typical Applications

- Mains water control
- Power Shower
- Central Heating Systems
- Leak Detection
- Cooling systems
Line Drawing

FS-10

Cable 16/0.2mm (22 AWG)
Black 1x1010, 1x1005mm

13.2
(0.52)

40
(1.57)

Switch housing
Nylon 6.6 - Black

15mm Copper Pipe to
EN1057 - R250

Flow direction indicator

39.7
(1.56)

73
(2.87)

152.4
(6.00)

Installation

- Pipework to be cut square and burr free
- Compression fitting mating connectors to be of suitable quality
- The installation should be checked to ensure that no leaking is evident
- Pipework/connector alignment imperative (avoiding bending stress)

Flow Rate v Pressure Drop

![Graph showing flow rate vs pressure drop](image)