Micro Flow Switch
with Factory Set Switch Point

Flow Switch for Low Volumes of Water or Air
Reed Contact or Proximity Switch
Vertical Connections for In-line Mounting
Switching Ranges: 0.03...4.0 GPH (Water)
0.1...13 SCFH (Air)
Description

KOBOULD micro flow switches, models KSR and SVN, operate on the same principle as a float-type or variable area flow indicator. Provided that the flow rate is above a preselected minimum, the float is raised from its seat and travels the full distance to its upper stop. The model SVN utilizes an inductive proximity switch which transmits a signal to a suitable power supply/relay module, such as our KFA- or KFD-series, triggering a user specified signaling or switching sequence. The model KSR contains a magnet within its float, which activates an electrically isolated reed-switch. As long as the maximum switching capacity of the reed switch is not exceeded, no supplemental relay is required to provide a triggering function. If additional switching capacity is required, KOBOULD can supply an appropriate isolation relay to protect the flow switch contacts from overload damage.

Specifications

Switching Ranges (Factory Set)

- Water: 0.03...4.0 GPH (Model SVN)
  0.03...2.5 GPH (Model KSR)
- Air: 0.1...13 SCFH (at STP)
- Max. Temp: 160 °F
- Max. Pressure: 230 PSIG
- Wetted Parts: 303 SS, FKM, Borosilicate Glass
- Housing: Anodized Aluminum
- Mounting: Vertical, Upward Flow
- Fitting: 1/4” NPT, G 1/4

Dimensions (mm)

<table>
<thead>
<tr>
<th>SVM..</th>
<th>KSR..</th>
</tr>
</thead>
<tbody>
<tr>
<td>w/Proximity Switch</td>
<td>w/Reed Switch</td>
</tr>
</tbody>
</table>

Order Details (Example: SVN-1200 W N08; 3 GPH Increasing Flow Rate)

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Limit Switch</th>
<th>Media</th>
<th>Connection</th>
<th>Set Point (Specify in Writing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SVN-1200..</td>
<td>Proximity Switch, NAMUR Output 7.7-9 VDC, 2-wire</td>
<td>..W.. = Water</td>
<td>..N08.. = NPT 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>SVN-1201..</td>
<td>Proximity Switch, DC Voltage 10-35 VDC, 3-wire NPN. N/O Contact</td>
<td>..W.. = Water</td>
<td>..N08.. = NPT 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>KSR-1200..</td>
<td>Reed Contact N/O Max. 24 V/0.1 A/1 W</td>
<td>..L.. = Air</td>
<td>..R08.. = G 1/4</td>
<td></td>
</tr>
<tr>
<td>KSR-1201..</td>
<td>Reed Contact SPDT Max. 100V/0.5 A/5 W</td>
<td></td>
<td>Example: 5 SCFH Decreasing Flow</td>
<td></td>
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