Series CFS Cable Float Switch
Installation and Operating Instructions

Control the level of liquids in filling or draining reservoirs and tanks with the Series CFS. The mercury-free switch is designed with an inverter microswitch housed in a polypropylene cover. The unit includes a counterweight to adjust the stop and start levels of pump up/pump down application.

INSTALLATION INSTRUCTIONS
The installation is very easy by holding the cable with a small clamp in the reservoir or container. By fixing the counterweight to the cable, at a closer or farther from position float, the desired differential between the highest and lowest level can be freely adjusted. Several differentials between levels, against counterweight-to-float distance are given:

Installation of Counterweight:
a. Insert the cable in the counterweight, from the conical part and rotate it, thus causing the plastic ring inserted in the opening to become detached (if necessary this operation can be facilitated with the use of a screwdriver). The ring should then be positioned in the point where it is desired to block the counterweight.  
b. Force the counterweight on the ring by rotating it, using a slight pressure.  
c. If the counterweight position is to be changed, the counterweight should be retracted, the ring position changed and secured once again.

<table>
<thead>
<tr>
<th>Counterweight-to-float distance (mm)</th>
<th>100</th>
<th>200</th>
<th>300</th>
<th>400</th>
<th>500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approx. differential between highest and lowest level (mm)</td>
<td>290</td>
<td>390</td>
<td>500</td>
<td>630</td>
<td>730</td>
</tr>
</tbody>
</table>

SPECIFICATIONS
Service: Compatible liquids.  
Wetted Materials: Polypropylene housing, PVC cable.  
Temperature Limits: 140°F (60°C).  
Pressure Limits: 60 psi (4 bar).  
Enclosure Rating: NEMA 4 (IP68).  
Switch Type: SPST.  
Electrical Rating: 10 A @ 250 VAC, resistive.  
Mounting Orientation: Vertical.  
Weight: CFS-2: 1.416 (.62 kg).  
CFS-10: 3.316 (1.48 kg).  
Agency Approvals: CE.

WIRING DIAGRAM

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