Custom Oil/Water High Level Sensor Model HLS-2

Ronan Engineering's Model HLS-2 Custom Oil/Water High Level Sensor is designed to monitor fluid levels within oil/water separators. Constructed of stainless steel or brass, PVC, polysulfone, nitrile and beryllium copper, the HLS-2 Sensor will provide years of trouble-free service.

The HLS-2 is installed into the primary tank to provide discrete indications of high oil level and high water levels. Liquid levels sufficient to move the sensor’s float will transmit a signal to the control panel to initiate control functions or annunciate alarms.

Dependable Simple Operation

Ronan’s HLS-2 High Level Sensor operates on a direct principle. Glass encapsulated hermetically sealed reed switches are embedded within the sensor stem. Permanent magnets within the sensor floats create a magnetic field which surrounds reed switches. When a magnetic field is removed, by movement of one or both floats, the reed switch is actuated, thereby changing state. This condition either opens a closed switch or closes and open switch. This change in state is then signaled to the control panel.

Application

The HLS-2 is available with a fixed or adjustable mounting for easy periodic testing or future adjustment. The sensor is installed through an available bung at the tank top. The HLS-2 may be supplied with a variety of logic configurations and for a variety of liquid densities. The standard HLS-2 is supplied with N.C. logic for fail-safe operation.

Typical Applications

- Oil/Water Separator High Level Sensing
- High Level/Overfill Monitoring
Specifications
Specifications are subject to change without notice. Contact Ronan Engineering to verify critical specifications.

Wetted Parts: Stainless steel or brass; polypropylene, polysulfone, nitrile, beryllium copper, PVC

Mounting: 1/8" to 2" NPT male or 3-5/8" flange

Switch Rating: SPST or SPDT, 20VA, 120-240Vac pilot duty

Operating Temperature: -40°F to +300°F maximum (determined by float material)

Float S.G.: 0.51 to 0.88

Pressure: 500 psi maximum (determined by float material)

Cable: Polymeric jacket wire pairs, 24" (18AWG 1-2 points, 22AWG 3-6 points)

Options
Points: 1 to 6 discrete level points

Mounting: Fixed or adjustable

Switches: SPST or SPDT

Various: Refer to sensor worksheet

Ordering Information

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLS-2</td>
<td>Dual Point Level Sensor</td>
</tr>
<tr>
<td>HLS-3</td>
<td>Three Point Level Sensor</td>
</tr>
<tr>
<td>HLS-4</td>
<td>Four Point Level Sensor</td>
</tr>
<tr>
<td>HLS-5</td>
<td>Five Point Level Sensor</td>
</tr>
<tr>
<td>HLS-6</td>
<td>Six Point Level Sensor</td>
</tr>
</tbody>
</table>

For additional information, catalogs and pricing, contact your local Ronan distributor or call 800-32-RONAN.