To Install . . .
Locate and prepare entrances in tank side so that level switch unit will be in vertical position with wire leads up when installed on outside of tank. Connect NPT inlet and outlet ports of unit to tank entrances. 1/2” NPT in top of unit provides for electrical connection. (See wiring information below and on back of sheet.) Use 1/4”-20 threaded mounting holes to attach unit on any suitable vertical surface.

- Specifications -

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>-40°F to 300°F (-40°C to 148.9°C)</td>
</tr>
<tr>
<td>Pressure Rating</td>
<td>500 psig Max @ 70°F</td>
</tr>
<tr>
<td>Electrical Termination</td>
<td>No. 18 AWG, 24&quot; L, Polymeric Lead Wires</td>
</tr>
<tr>
<td>Approvals</td>
<td>U.L. Recognized File No. E45168</td>
</tr>
<tr>
<td></td>
<td>CSA Report LR 30200</td>
</tr>
<tr>
<td>Switch Operation</td>
<td>Selectable, N.O. or N.C. by Inverting Float On Stem</td>
</tr>
<tr>
<td>Mounting Attitude</td>
<td>Vertical with Lead Wires Up</td>
</tr>
<tr>
<td>Switch</td>
<td>20 VA (Pilot Duty)</td>
</tr>
</tbody>
</table>

Standard single level units are supplied with SPST switch operation, N.O. (Dry).

To convert operation to N.C. (Dry): Remove level switch unit from housing, remove lower grip ring and invert float on unit stem. Reinstall lower grip ring into groove and reinstall level switch unit** in housing.

**Clean or replace O-ring on mounting plug (if required) before reinstalling float/stem assembly in housing. Mounting plug must be installed flush with housing.

Note
Switch operation can be selected without disturbing installation of unit on tank.

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Maintenance (All Units) . . . An occasional "wipe-down" cleaning is the only maintenance normally required.
MAINTENANCE/REPAIR

Regular maintenance of the total system is recommended to assure sustained optimum performance. These devices are not field repairable and should be returned to the factory if recalibration or other service is required. After first obtaining a Returned Goods Authorization (RGA) number, send the unit freight prepaid to the following. Please include a clear description of the problem plus any application information available.

Dwyer Instruments, Inc.
Attn: Repair Department
102 Highway 212
Michigan City, IN 46360

Important Points!

Product must be maintained and installed in strict accordance with the National Electrical Code and Dwyer product catalog and instruction bulletin. Failure to observe this warning could result in serious injuries or damages.

For hazardous area applications involving such things as (but not limited to) ignitable mixtures, combustible dust and flammable materials, use an appropriate explosion-proof enclosure or intrinsically safe interface device.

The pressure and temperature limitations shown on the individual catalog pages and drawings for the specified level switches must not be exceeded. These pressures and temperatures take into consideration possible system surge pressures/temperatures and their frequencies.

Selection of materials for compatibility with the media is critical to the life and operation of Dwyer products. Take care in the proper selection of materials of construction, particularly wetted materials.

Life expectancy of switch contacts varies with applications. Contact Dwyer if life cycle testing is required.

Ambient temperature changes do affect switch set points, since the specific gravity of a liquid can vary with temperature.

Dwyer Products have been designed to resist shock and vibration; however, shock and vibration should be minimized.

Filter liquid media containing particulate and/or debris to ensure the proper operation of our products.

Electrical entries and mounting points in an enclosed tank may require liquid/vapor sealing.

Dwyer Products must not be field-repaired.

Physical damage sustained by the product may render it unserviceable.