The side mounted SOR® 1540 Pneumatic Level Switch provides a pneumatic output signal for either a high or low level condition. The float moves a magnet into the field of a magnetically actuated sensor. The unit may be mounted for either high or low liquid level alarm.

NOTE: If you suspect that a product is defective, contact the factory or the SOR Representative in your area for a return authorization number (RMA). This product should only be installed by trained and competent personnel.

Before Installing the Level Switch

- Inspect the unit for any shipment damage.
- Check for mechanical clearance. The float must move freely throughout its stroke inside the vessel.
- Use an acceptable thread compound to ensure a leak-free fit and avoid thread galling when installing the unit into the vessel.
- Clean, dry air or gas must be used as the supply media to avoid plugging critical internal restrictions.
- MC or MD (manual check) option can be removed to allow supply fitting to be installed. Reseal threads with acceptable thread compound and insert to dimension shown.

SUPPLY PRESSURE RANGE:
- J0 SWITCH – 0-30 psi (0-2 BAR)
- J1 SWITCH – 0-80 psi (0-5.5 BAR)

Design and specifications are subject to change without notice.
For latest revision, go to www.sorinc.com
The following drawings show the manual check (MC or MD) option.

* DO NOT PLUG THIS PORT. DURING ACTUATION AND RESET, TRAPPED AIR IN THE SENSOR MUST ESCAPE FOR THE UNIT TO OPERATE PROPERLY.
Installation

- The unit may be mounted using the standard 2” NPT process connection.
- MD Remote Option (includes plunger, 20 foot cable and two crimps.)
  - Screw plunger to the top of unit.
  - Thread the 20’ cable through the hole in plunger and create a 14 inch top loop as shown below.
  - At the bottom of the cable, a second loop can be created as a handle for actuation at the desired length.

Linear = mm/inches
Drawing 0098626 p.2

- PLUNGER
- TOP 14” LOOP
- REMOTE CABLE
- CRIMP
- CREATE HANDLE AT DESIRED LENGTH
**Replacement Parts**

<table>
<thead>
<tr>
<th>Designator</th>
<th>Description</th>
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<tbody>
<tr>
<td>3130040</td>
<td>20’ Remote Cable with two cable crimps*</td>
</tr>
<tr>
<td>3100152</td>
<td>Float</td>
</tr>
<tr>
<td>9227012</td>
<td>Float &amp; Arm Assembly</td>
</tr>
<tr>
<td>9227024</td>
<td>Manual Check Accessory (uses Viton GLT O-ring) (MC)*</td>
</tr>
<tr>
<td>9227025</td>
<td>Manual Check Accessory with remote 20’ cable (MD)*</td>
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</tbody>
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* Unit must have originally been supplied with MC or MD option.