LEVEL

**Float** is simple and dependable with no mechanical linkage as the level switch is magnetically actuated. The float lever pivoted within the body moves when the process liquid displaces the float. A magnet on the opposite end of the float lever controls a second magnet on the switch actuating lever located in the switch housing.

### FEATURES
- Leak proof lower body machined from bar stock
- Choice of models for direct side wall mounting or mounted in a tee to act as an external float chamber
- Weatherproof
- Explosion-proof (listings included in specifications)
- Electrical assembly can be easily replaced without removing the unit from the installation so that the process does not have to be shut down
- Sensitive to level changes of less than 1/2˝ (12 mm)

### SPECIFICATIONS
- **Service:** Liquids compatible with wetted materials.
- **Wetted Materials:**
  - **Float:** Solid polypropylene or 304 SS
  - **Lower Body:** Brass or 303 SS
- **Magnet:** Ceramic
- **External Float Chamber (Tee):**
  - Matches lower body choice of brass or 303 SS
- **Other:** Lever Arm, Spring, Pin, etc.: 301 SS
- **Temperature Limit:**
  - 4 to 220°F (-20 to 105°C) Standard, MT high temperature option 400°F (205°C) (MT not UL, CSA, ATEX, IECEx and KC).
  - ATEX compliant AT, IECEx compliant and KC option ambient temperature 4 to 167°F (-20 to 75°C) process temperature; 4 to 220°F (-20 to 105°C).
- **Pressure Limits:**
  - See instruction manual.
- **Enclosure Rating:** Weatherproof and Explosion-proof.
- **Process Pressure:**
  - UL models: 5A @ 125/250 VAC (V~).
  - CSA, ATEX models: 5A @ 125/250 VAC (V~).
  - Max. Pressure (psig/bar): L6EPS-S-S-3-O: 1000 (69); L6EPS-S-S-3-C: 2000 (138);
- **Max. Temperature Limit:**
  - Liquid Level Switch: 100°F (38°C) (MT option not UL, CSA, ATEX or IECEx).
  - ATEX certified: For Ex d IIC T6 Gb Process Temp≤75°C.
  - IECEx certified: For Ex d IIC T6 Gb Process Temp≤75°C.
  - IECEx Certificate of Conformity: DEK III.0039.

### OPTIONS
- **Gold Plated Contacts** option for dry circuits, add suffix -MV (see electrical rating in specifications)
- **High Temperature** option rated 400°F (204°C), add suffix -MT (see electrical rating in specifications, no listings or approvals, only available on models with stainless steel floats)
- **CSA and UL approved** construction, includes weatherproof and explosion-proof junction box, add suffix -CSA
- **ATEX compliant** construction includes, weatherproof and explosion-proof, junction box, add suffix -AT
- **IECEx certified** construction, add suffix -IEC
- **DPDT contacts**, change seventh character in model number to “D”. Example: L6EPB-B-D-3-O

### Installation Options
- **Options Not Shown:** 1-1/2˝ and 2˝ male NPT process connection, 2˝ female NPT connection tee, and top mount.

**DIMENSIONS**

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<tr>
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<tbody>
<tr>
<td>L6EPB-B-S-3-O</td>
<td>Brass</td>
<td>Side Wall Mounting</td>
<td>Polypropylene Spherical</td>
<td>1000 (69)</td>
<td>0.9</td>
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<td>L6EPB-B-S-3-A</td>
<td>Brass</td>
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<td>304 SS Cylindrical</td>
<td>200 (13.8)</td>
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<tr>
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<td>Brass</td>
<td>Brass External Float Chamber (Tee)</td>
<td>Polypropylene Spherical</td>
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<td>L6EPB-B-S-3-H</td>
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<td>304 SS Spherical</td>
<td>250 (17.2)</td>
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<td>304 SS Spherical</td>
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</tr>
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</table>

### Models
- L6EPB-B-S-3-O: Brass Side Wall Mounting
- L6EPB-B-S-3-A: Brass Side Wall Mounting
- L6EPB-B-S-3-C: Brass Side Wall Mounting
- L6EPB-B-S-3-B: Brass External Float Chamber (Tee)
- L6EPB-B-S-3-H: Brass External Float Chamber (Tee)
- L6EPS-S-S-3-O: 303 SS Side Wall Mounting
- L6EPS-S-S-3-A: 303 SS Side Wall Mounting
- L6EPS-S-S-3-C: 303 SS Side Wall Mounting
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- L6EPS-S-S-3-H: 303 SS 304 SS External Float Chamber (Tee)
- L6EPS-S-S-3-L: 303 SS 304 SS External Float Chamber (Tee)

**Double or Single Pole Double Throw (DPDT)** switch actuating lever located in the switch housing.