**Side Mounted-Chamber Type Level Control**

Operating Pressures to 500 PSIG, 34 bar, Hermetically Sealed Snap Switch Option

Model 201 liquid level control is designed for long life and reliable operation in chemical plants, refineries and industrial facilities. SS switching mechanism uses gravity return action instead of springs to prolong life. Weatherproof enclosure is standard. Heavy duty, welded steel float chamber is suitable for 500 psi at 750°F.

**SPECIFICATIONS**

- **Service:** Compatible liquids.
- **Wetted Materials:** Body: Carbon steel. Optional 316 SS; Float and trim: 303 SS, 304 SS, 316 SS, and 430 SS. Options of 316 SS and 430 SS or all 316 SS.
- **Temperature Limit:** Process: 750°F (399°C). Heat fins should be used for process temperatures above 500°F (260°C) with mercury switches, 400°F (204°C) with snap switches, and 350°F (176.7°C) with hermetically sealed snap switches.
- **Pressure Limit:** 600 psig (41 bar) at 100°F (37.7°C), 500 psig (34 bar) at 750°F (399°C). Higher ratings available.
- **Enclosure Rating:** NEMA 4X (IP66). Optional general purpose or explosion-proof.
- **Repeatability:** ±1/4˝ (6.4 mm).
- **Switch Type:** SPDT snap switch, hermetically sealed snap switch or mercury switch. Optional DPDT or two stage.

**Applications**

- Oil refineries, chemical plants, power generating stations, pumping stations, heat transfer systems, sanitary/waste water facilities, drip legs, hydraulic systems, boilers.

**Specifications**

- **Service:** Compatible liquids.
- **Wetted Materials:** Body: Carbon steel; Float and trim: 303 SS, 304 SS, 316 SS, and 430 SS.
- **Temperature Limit:** Process: 600°F (315.6°C). Heat fins should be used for process temperatures above 500°F (260°C) with mercury switches, 400°F (204°C) with snap switches, and 350°F (176.7°C) with hermetically sealed snap switches.
- **Pressure Limit:** 800 psig (55 bar) at 100°F (37.7°C), 850 psig (54 bar) at 600°F (315.6°C). Higher ratings available.
- **Enclosure Rating:** NEMA 4X. Optional general purpose or explosion-proof.
- **Switch Type:** SPDT snap switch, hermetically sealed snap switch or mercury switch. Optional DPDT.

**Model**

<table>
<thead>
<tr>
<th>Model</th>
<th>Switch Type</th>
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<tr>
<td>201-WT-4810-C1-60</td>
<td>SPDT Mercury</td>
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<tr>
<td>201-WT-7810-C1-60</td>
<td>SPDT Snap</td>
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<tr>
<td>201-WT-7810HM-C1-60</td>
<td>SPDT Hermetically Sealed Snap</td>
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</table>

**Electrical Rating**

- Snap switch: 12A @ 120 VAC, 5A @ 240 VAC, 0.5A @ 125 VDC resistive, 0.25A @ 250 VDC resistive. Hermetically sealed snap switch: 5A @ 125 VAC, 5A @ 240 VAC, 5A @ 30 VDC resistive. Mercury switch: 4A @ 120 VAC/DC, 2A @ 240 VAC/DC. Higher contact ratings available for the mercury switch.

**Conduit Connection**

- 3/4˝ female NPT.

**Process Connections**

- 1˝ female NPT hub. Optional flange connections.

**Mounting Orientation**

- Vertical.

**Set Point Adjustment**

- ±1˝ (25.4 mm).

**Weight**

- 33 lb (14.97 kg).

**Agency Approvals**

- UL (None on HM switch)

**Specific Gravity**

- 0.6 minimum.

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**Side Mounted-Chamber Type Level Control**

Compact, Low Cost, Hermetically Sealed Snap Switch Option

Heavy duty and low cost is the perfect description for the 391 Series level control. SS switching mechanism uses gravity return action instead of springs for long life. Weatherproof enclosure is standard. Welded steel chamber is good for 650 psig (45 bar) at 600°F (315°C).

**Applications**

- Oil refineries, chemical plants, power generating stations, pumping stations, heat transfer systems, sanitary/waste water facilities, drip legs, hydraulic systems, boilers.

**Specifications**

- **Service:** Compatible liquids.
- **Wetted Materials:** Body: Carbon steel; Float and trim: 303 SS, 304 SS, 316 SS, and 430 SS.
- **Temperature Limit:** Process: 600°F (315.6°C). Heat fins should be used for process temperatures above 500°F (260°C) with mercury switches, 400°F (204°C) with snap switches, and 350°F (176.7°C) with hermetically sealed snap switches.
- **Pressure Limit:** 800 psig (55 bar) at 100°F (37.7°C), 850 psig (54 bar) at 600°F (315.6°C). Higher ratings available.
- **Enclosure Rating:** NEMA 4X. Optional general purpose or explosion-proof.
- **Switch Type:** SPDT snap switch, hermetically sealed snap switch or mercury switch. Optional DPDT.

**Electrical Rating**

- Snap switch: 12A @ 120 VAC, 5A @ 240 VAC, 0.5A @ 125 VDC resistive, 0.25A @ 250 VDC resistive. Hermetically sealed snap switch: 5A @ 125 VAC, 5A @ 240 VAC, 5A @ 30 VDC resistive. Mercury switch: 4A @ 120 VAC/DC, 2A @ 240 VAC/DC. Higher contact ratings available for the mercury switch.

**Conduit Connection**

- 3/4˝ female NPT.

**Process Connections**

- 1˝ female NPT and 1˝ socket weld hub. Optional flange connections.

**Mounting Orientation**

- Vertical.

**Set Point Adjustment**

- ±1˝ (25.4 mm).

**Weight**

- 10 lb (4.5 kg).

**Agency Approvals**

- UL (None on HM switch)

**Specific Gravity**

- 0.8 min. Optional 0.7 min.