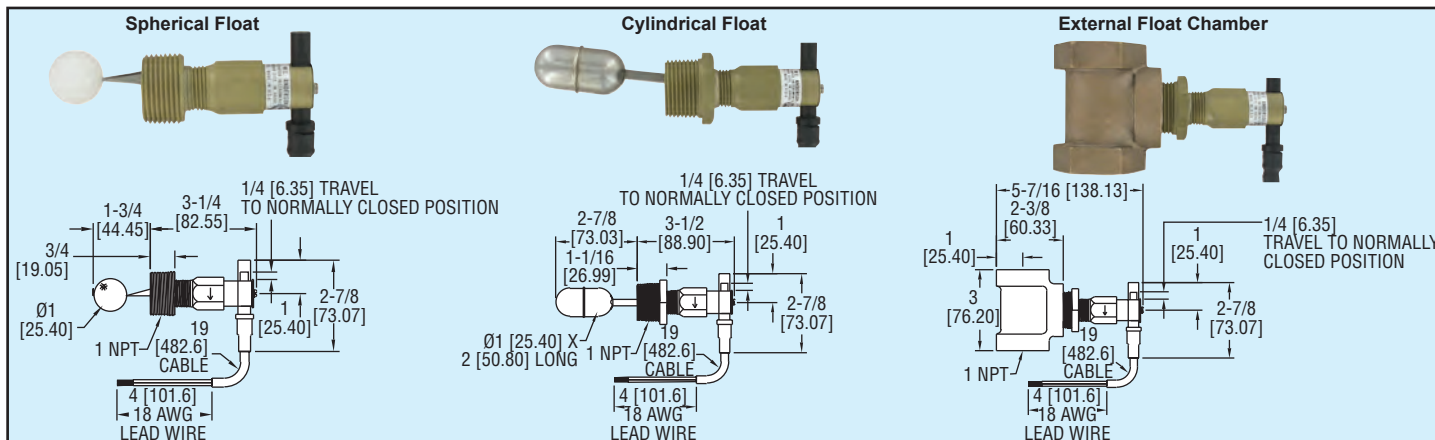




Series  
L10

# FLOTECT® Mini-Size Level Switch

Easy In-wall or External Installation, Specific Gravities as Low as 0.5



The Mini-Size Series L10 FloTECT® Level Switches combine low cost with top quality materials and construction for great value and years of reliable liquid level control. Wide media compatibility is assured with a choice of brass or SS bodies and external tees; polypropylene or SS floats. Two basic configurations are offered; with 1" male NPT threads for direct side mounting through a half coupling or with factory installed tee for external mounting.

All Series L10 switches feature a hermetically sealed, magnetically actuated SPST reed switch which is encapsulated in a polypropylene housing. Units are quickly and easily adjusted for your choice of normally open or normally closed operation thanks to a unique design. Just loosen two screws and instantly slide the switch assembly to the action required. NO and NC markings are clearly visible. This feature also speeds switch replacement if damage occurs.

Three types of floats are offered to accommodate liquids with specific gravities as low as 0.5; max pressures to 2000 psig (137.8 bar). These controls are UL recognized and CSA listed.

## SPECIFICATIONS

**Service:** Compatible liquids.

### Wetted Materials:

Float: Solid polypropylene or 304 SS;

Body:

Body: Brass or 303 SS;

Magnet: Ceramic;

External float chamber (tee): None, brass, or 304 SS;

Other: Lever arm, pin, spring, etc.:

301 SS, 302 SS, 316 SS.

**Temperature Limit:** 200°F (93°C).

**Pressure Limit:** See chart below.

**Enclosure Rating:** Weatherproof, meets NEMA 4X (IP66).

**Switch Type:** SPST hermetically sealed reed switch. Field adjustable for normally open or normally closed.

**Electrical Rating:** 1.5 A @ 24 VDC res., 0.001 A @ 200 VDC res., 0.5 A @ 125 VAC.

**Electrical Connections:** 18 AWG, 19" (483 mm) long. PVC jacket. Rated 221°F (105°C).

**Process Connection:** 1" male NPT standard on models without external float chamber. Change 3 in model number to 4 for 1-1/4", to 5 for 1-1/2", or 6 for 2". 1" female NPT on models with external float chamber.

**Mounting Orientation:** Horizontal with index arrow pointing down.

**Weight:** Approximately 10 oz (0.283 kg) without external float chamber, 2.32 lb (1.05 kg) with external float chamber.

**Specific Gravity:** See chart below.

**Agency Approvals:** CSA, UR.

**Switch Enclosure:** Nylon.

Model	Body Material	Installation/Mounting	Float Material	Max. Press. psig (bar)	Min. S.G.
L10-B-3-O	Brass	Side Wall Mounting	Polypropylene Spherical	1000 (69)	0.9
L10-B-3-A	Brass	Side Wall Mounting	304 SS Cylindrical	200 (13.8)	0.5
L10-B-3-C	Brass	Side Wall Mounting	304 SS Spherical	350 (24.1)	0.7
L10-B-3-B	Brass	Brass Tee	Polypropylene Spherical	250 (17.2)	0.9
L10-B-3-H	Brass	Brass Tee	304 SS Spherical	250 (17.2)	0.7
L10-S-3-O	303 SS	Side Wall Mounting	Polypropylene Spherical	2000 (137.8)	0.9
L10-S-3-A	303 SS	Side Wall Mounting	304 SS Cylindrical	200 (13.8)	0.5
L10-S-3-C	303 SS	Side Wall Mounting	304 SS Spherical	350 (24.1)	0.7
L10-S-3-S	303 SS	304 SS Tee	Polypropylene Spherical	2000 (137.8)	0.9
L10-S-3-L	303 SS	304 SS Tee	304 SS Spherical	350 (24.1)	0.7