

L10 Series FLOTECT® Mini-Size Level Switch

Easy in-wall or external installation, specific gravities as low as 0.5



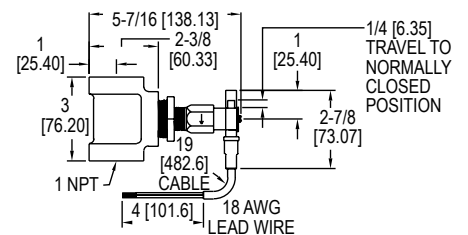
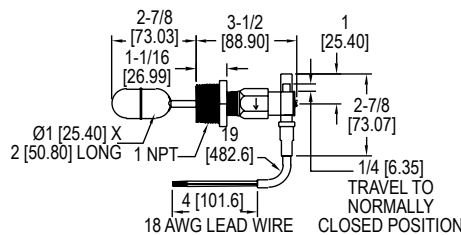
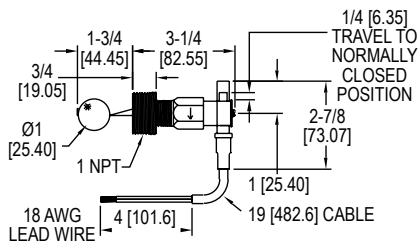
Spherical Float



Cylindrical Float



External Float Chamber



Benefits / Features

- Long operating life with hermetically sealed, magnetically-actuated SPST reed switch, which is encapsulated in a polypropylene housing
- Easily toggle between normally open (NO) or normally closed (NC) with no change in the electrical connection using simple field switch adjustment
- Quick and low cost maintenance from easily replaceable switch without affecting installation
- Great value and years of reliable liquid level control with top quality materials at a low cost

Applications

- Direct pump control for maintaining level
- Automatic tank dump operations
- Level control
- Valve control

The Series L10 FloTECT® Mini-Size Float Switch is a series of economical, compact liquid level floats. It is offered in brass or 303 SS bodies and external tees as well as polypropylene or 304 SS floats with 1" NPT male threads, for direct side mounting through a half coupling, or with factory installed tee for external mounting. This series can be used in liquids with specific gravities as low as 0.5.

Technical Specifications

Service	Compatible liquids
Wetted Materials	Float: Solid polypropylene or 304 SS; 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	Brass body: See chart; 303 SS body: Polypropylene float: 2000 psig (138 bar), Cylindrical float: 200 psig (13.8 bar), Spherical float: 350 psig (24.1 bar)
Enclosure Rating	Weatherproof, meets NEMA 4X (IP66)
Switch Type	SPST hermetically sealed reed switch. Field adjustable for NO or NC
Electrical Rating	1.5 A @ 24 VDC res., 0.001 A @ 200 VDC res., 0.5 A @ 120 VAC
Electrical Connections	18 AWG, 19 in (483 mm) long, PVC jacket. Rated 221 °F (105 °C)

Process Connection	1 in male NPT on models without external float chamber. Change 3 in model number to 4 for 1-1/4 in, to 5 for 1-1/2 in, or 6 for 2 in. 1 in female NPT on models with external float chamber
Mounting Orientation	Horizontal with index arrow pointing down
Specific Gravity	See chart
Switch Enclosure	Nylon
Weight	Approximately 10 oz (0.283 kg) without external float chamber, 2.32 lb (1.05 kg) with external float chamber
Compliance	CE, CSA and UR

USA: California Proposition 65
 WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Model Chart

Model	Installation	Float Material	Process Connection	Max. Pressure psig (bar)	Min. S.G.
L10-B-3-O	Side wall mounting	Polypropylene spherical	NPT	1000 (69)	0.9
L10-B-3-A	Side wall mounting	304 SS cylindrical	NPT	200 (13.8)	0.5
L10-B-3-C	Side wall mounting	304 SS spherical	NPT	350 (24.1)	0.7
L10-B-3-B	Brass tee	Polypropylene spherical	NPT	250 (17.2)	0.9
L10-B-3-H	Brass tee	304 SS spherical	NPT	250 (17.2)	0.7

OPTIONS

303 SS Body

Note: To order, change fourth character to "S". **Example:** L10-S-3-0

DS-L10 EN v1 072026

