

spot on the stem and adjust the Z screw until the calibration display shows the desired zero value (4mA for current loop, 0 volts for voltage 5 or 10 Volt range, 1 ohm approximate for 5 Kohms resistor range).

3. **Span adjust** : move the float to the highest desired location on the stem or the top and adjust the S screw until the calibration display shows the desired max value (20mA for current loop, 5 volts for 5 Volts, 10 volts for 10 volts and 5 Kohms for 5Kohms).
4. Adjusting the span may move the zero point, so repeat steps 2 and 3 until there is no longer any deviation.
5. Install the LFT01 in the vessel.

7. Maintenance

Under normal operation this unit should be maintenance free. The exception is buildup of material from the liquid or scaling which can cause the float to stick or restrict its movement. In this case remove the sensor from the tank and clean it with a suitable cleanser that will not damage the material and will also not form any dangerous reaction with the liquid being measured or the scale that has formed on the stem and float. Always follow all necessary safety protocols when conducting maintenance. Remove all cleanser residues after cleaning to avoid contamination of the liquid being measured. When maintenance is finished the device should be recalibrated before it is reinstalled in the tank to ensure it is operating properly.

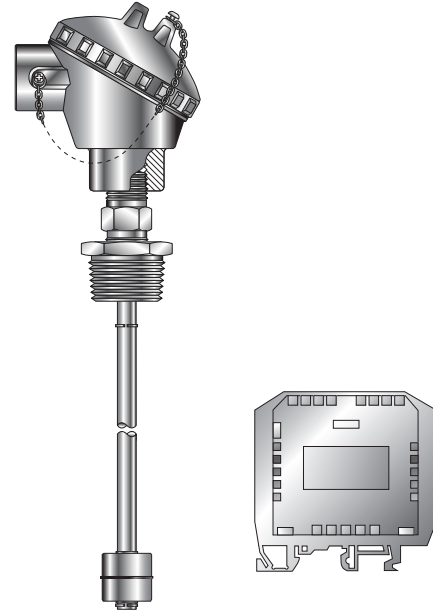
8. Specifications

Sensing Technology:	Reed switch chain type
Minimum Length:	12 inches (288mm)
Maximum Length:	96 inches (2304mm)
Resolution:	0.50 inch (12mm) standard 0.25 inch (6.5mm) optional
Dead Band:	Dependant on float: see float types
Specific Gravity:	Dependant on float: see float types
Wetted Parts	
Stem:	316 Stainless steel
Float:	316 Stainless steel
Fitting Size:	1/2" or 2" NPT Male
Enclosures:	See head types - WAX, POX, AHX, CAX, CSX, EXX, ADX, XDx
Temperature Range	-20 to 120°C (-4 to 250°F)
Max. Pressure:	Dependant on float: see float types
Electrical Connection:	Micro-DC plug, 5-pin or cable
Protection:	NEMA 4X/IP65 or NEMA 4X/IP66
DIN Rail or Hockey-Puck Transmitter	
Input Voltage:	12-32 VDC max.
Output:	4-20mA 2-wire 0-5 VDC 3-wire 0-10 VDC 3-wire
Sensing Voltage:	5 VDC max.
Sensing Current:	2.5mA max.
Adjustments:	via potentiometer
Ambient Temperature Range:	-20 to 60°C (-4 to 140°F)

LFT01 Level Float Sensor



Quick Reference Guide



mift01, rev1.0/21082012



Manufacturer of Superior Quality Instrumentation



Disclaimer

Intempco guaranties that its products are free from defects in material and workmanship. This warranty is valid for a period of one year from the date of purchase, and covers these components of the products which are non-moving and not subject to normal wear. This warranty does not cover products which are modified or altered. Moreover, it does not cover electrical cables which are cut during installation.

The above stated warranty becomes null and void if anyone, other than service personnel authorized by Intempco, attempts to repair a defective product.

Intempco's only obligation under this warranty is to repair or replace, at Intempco's option, products that are found, upon Intempco's examination, to be defective. Intempco shall have no obligation for consequential damages to personal or real property, or for injury to any person.

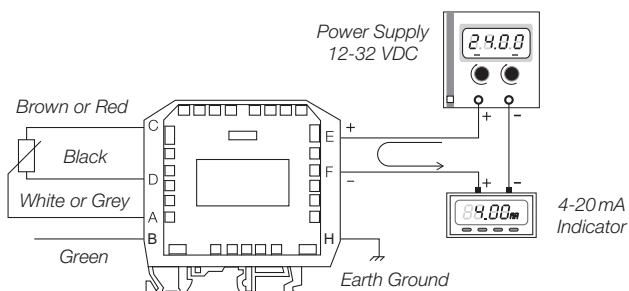
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Float P/N	X	SG/Min fluid SG	Shape	Pressure Max.
BA	ø2.10"X2.10"	0.49/ 0.75	Cylindrical	300 psi
CA	ø2.06"	0.60/ 0.85	Spherical	750 psi



2. **Zero adjust** : place the float at the bottom of the stem, or the lowest desired