

T/LL70 Vertical Float Switch



The **T/LL70** series is a comprehensive range of vertical float level switches designed around the proven and reliable magnet and reed switch principle.

Comprising many build variants, the **T/LL70** is customised to each application by means of materials, level adjustment, connection, thread and reed contact specification etc. The data below gives some sense of the numerous combinations, but some interdependency exists with regard to the materials of construction.

SPECIFICATION

Liquid Types Liquids compatible with the construction materials: typically diesel, kerosene, petrol, water

Materials:

Typical Float Switch Builds:

	A	B	C	D
Header	Brass	Brass	316 SS	uPVC
Stem	Brass	Brass	316 SS	uPVC
Float	PP	Nitrophyl	316 SS	PP
Float Stops	304 SS	304 SS	304 SS	uPVC
Gasket	Klingersil 4324 (where fitted)			
Enclosure	ABS			

Dimensions:

- Max. Length:** 2250 mm Brass, 3000 mm SS, 1500 mm uPVC
- Min. Length:** 200 mm (4 Floats, 10 VA Reeds)
- Min. Switch to Switch Dim:** 40 mm (10 VA Reeds)
- Min. Switch to End Dim:** 40 mm (10 VA Reeds)
- Min. Switch to Datum Dim:** 40 mm (10 VA Reeds)

Fittings (typical):

- Brass:** 1" BSPP / BSPT / NPT, 1.5" BSPP / NPT
- Stainless:** 1" BSPP / BSPT / NPT, 1.5" BSPP / NPT
- uPVC:** 1" BSPP

Operation:

- Max Number of Floats** 6 x N/O or N/C, 4 x C/O

Reed Contact Specification:

- | | | |
|------------------|-------------------|---------------|
| Reed Form | N/O or N/C | C/O |
| Voltage: | ≤ 250 VAC/VDC | ≤ 500 VAC/VDC |
| Current: | ≤ 3 A* | ≤ 3 A* |
| Power: | ≤ 120 VA | ≤ 100 VA |
| | *1 A standard | |

Environmental Ratings:

- Ingress (Enclosure)** IP67
- Operating Temperature:** -20 °C to +70 °C

- Vibration:** 7.44 Grms, BSEN 60068-2-64:1993, Random Vibration

Connections:

- Enclosure:** Entry is M20 threaded for gland / conduit. Screw terminals for ≤ Ø2 mm / 3 mm² conductors.
- Flying Leads:** Connectors / terminals as required.

