

## 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
<b>Header</b>	Brass	Brass	316 SS	uPVC
<b>Stem</b>	Brass	Brass	316 SS	uPVC
<b>Float</b>	PP	Nitrophenyl	316 SS	PP
<b>Float Stops</b>	304 SS	304 SS	304 SS	uPVC
<b>Gasket</b>	Klingersil 4324 (where fitted)			
<b>Enclosure</b>	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

<b>Reed Form</b>	<b>N/O or N/C</b>	<b>C/O</b>
<b>Voltage:</b>	≤ 250 VAC/VDC	≤ 500 VAC/VDC
<b>Current:</b>	≤ 3 A*	≤ 3 A*
<b>Power:</b>	≤ 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 mm<sup>2</sup> conductors.  
**Flying Leads:** Connectors / terminals as required.

