

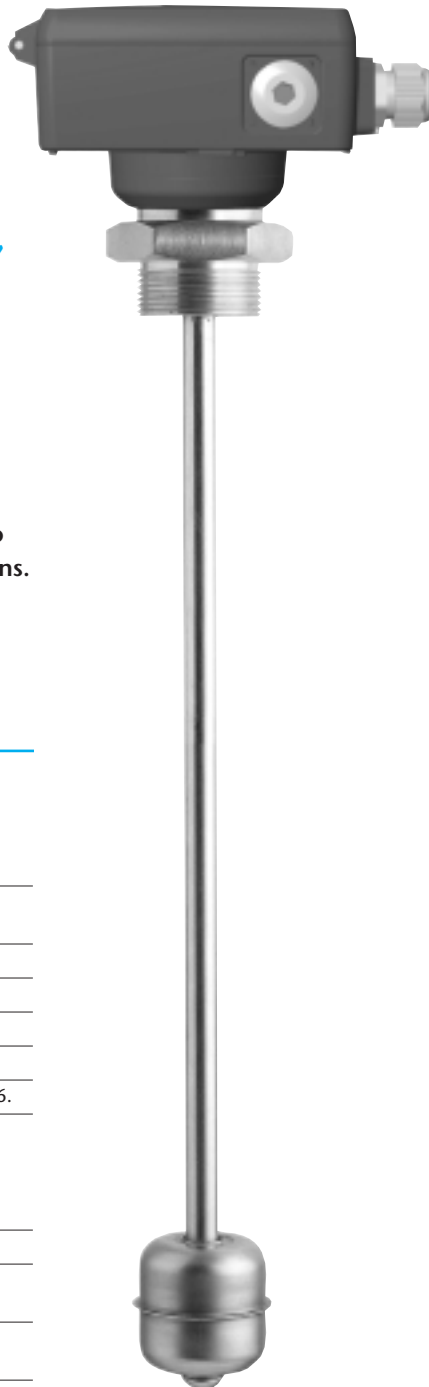
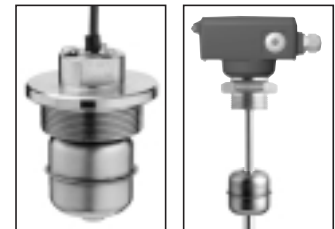
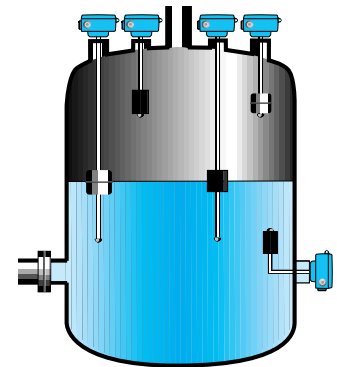
INSERTION LEVEL SWITCHES

Float operated level switches for liquid level monitoring in vessels, tanks, containers and sumps

- Top-of-tank insertion with a choice of mounting options for fuel tanks, storage containers, power packs, cooling systems, process vessels and food processing.
- Stainless steel construction, available in two sizes for medium and heavy duty applications.
- Up to five output contacts.

Technical Details

Temperature Limits:	-10...80°C. with phenolic foam float -10...150°C. with stainless steel float
Maximum Static Pressure:	5 bar with phenolic foam float. 20 bar with stainless steel float.
Switching Point Accuracy:	±3mm.
Mounting Attitude:	Vertical ±30°C.
Protection Classification:	Dust and waterproof to IP66.
Body Material:	Stainless steel 316.
Terminal Housing Material:	Stainless steel filled Polyamide 6.
Electrical Connections:	
Flexible Cable:	2 to 6 core flexible PVC cable, 0.75mm ² x 2m.
Terminal Housing:	4mm barrier terminals.
Maximum Number of Contacts:	5 (sealed magnetic reed).
Minimum Spacing Between Adjacent Contacts:	65mm.
Contact Operation:	Close on RISING float or Close on FALLING float.

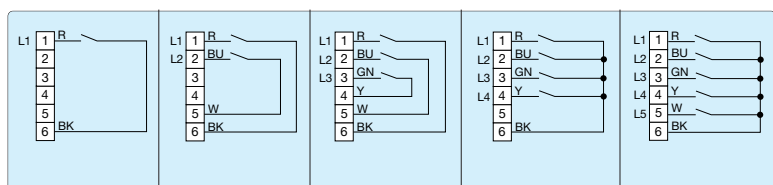

TX5830


Electrical Details

Magnetic Reed Contacts: 230V ac 0.5 Amp 25Watts

N.B. Contact protection is recommended to ensure that these instantaneous ratings are not exceeded during peak in-rush or surge conditions. Our Technical Applications Department will be pleased to assist with circuit applications.

Connections:



Dimensions

STANDARD LEVEL SWITCHES WITH A CHOICE OF FLEXIBLE CABLE CONNECTION OR TERMINAL HOUSING.

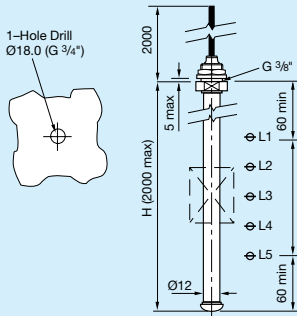
12mm CONTACT TUBE UP TO 2000mm LONG.

G 3/8" BUSH MOUNTING • G 1 1/2" BUSH MOUNTING • G 2" BUSH MOUNTING • FLANGE FIXING.

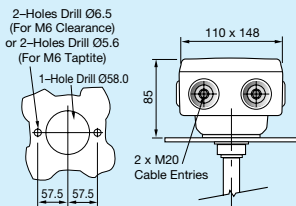
TX5831



Flexible Cable



Terminal Housing



MOUNTING: G 3/8" Ø
(Supplied with fixing nut)

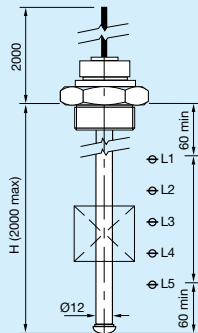
RECOMMENDED FLOATS

- 37mm Ø Phenolic Foam (32)
- 55mm Ø Stainless Steel (34)

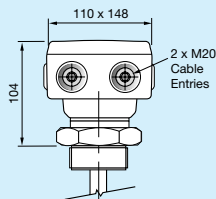
TX5832



Flexible Cable



Terminal Housing



MOUNTING: G 1 1/2" Ø

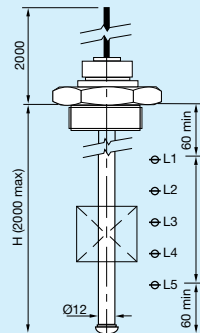
RECOMMENDED FLOATS

- 37mm Ø Phenolic Foam (32)

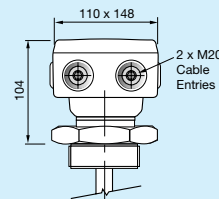
TX5833



Flexible Cable



Terminal Housing



MOUNTING: G 2" Ø

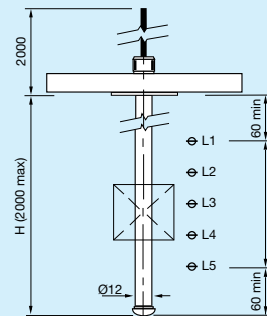
RECOMMENDED FLOATS

- 37mm Ø Phenolic Foam (32)
- 55mm Ø Stainless Steel (34)

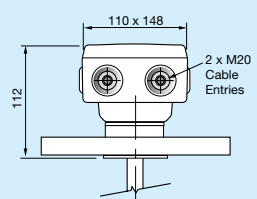
TX5834



Flexible Cable



Terminal Housing

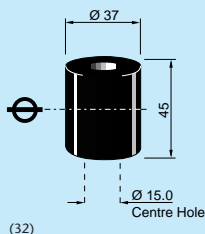


MOUNTING: BS4504 FLANGE
(Other Flange Formats Available)

RECOMMENDED FLOATS

- 37mm Ø Phenolic Foam (32)
- 55mm Ø Stainless Steel (34)

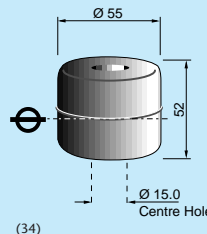
Floats



(32)

Material: Rigid Phenolic Foam
Max. Temp: 80°C
Max. Pressure: 5bar
Specific Gravity: 0.4

- Rigid closed cell phenolic foam for general purpose applications.
- Excellent resistance to oils, seawater, acids, alkalis and solvents.
- (Fits through G1 1/2" threaded hole)



(34)

Material: Stainless Steel 316
Max. Temp: 150°C
Max. Pressure: 20bar
Specific Gravity: 0.4


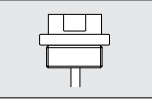
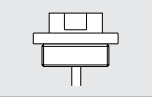
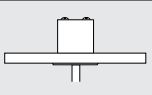
- Electron beam welded and pressure tested.
- High impact strength, high temperature rating, and high pressure tolerance with excellent chemical resistance.
- Food industry and petrochemical applications.
- (Fits through G2" threaded hole)

Order Reference

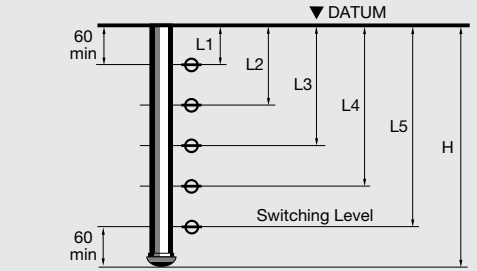
CUSTOMER	CONTACT
ORDER/ENQ. REF.	DATE

INSERTION LEVEL SWITCHES

PLEASE PHOTOCOPY THIS SECTION AND TICK YOUR REQUIREMENTS IN THE BOXES

TX5831	Ø 12mm CONTACT TUBE		G ^{3/8} " BUSH MOUNTING	
TX5832	Ø 12mm CONTACT TUBE		G1 ^{1/2} " BUSH MOUNTING	
TX5833	Ø 12mm CONTACT TUBE		G2" BUSH MOUNTING	
TX5834	Ø 12mm CONTACT TUBE		BS4504 FLANGE MOUNTING (Please specify alternative flange format required)	

ELECTRICAL CONNECTIONS	FLEXIBLE CABLE		11
	STAINLESS STEEL FILLED POLYAMIDE 6		12
TYPE OF FLOAT	RIGID PHENOLIC FOAM Ø37mm		32
	STAINLESS STEEL Ø55mm		34
TYPE OF LIQUID (or specific gravity of liquid)			

CONTACT FORMAT	SWITCHING LEVEL	OPEN ON RISING	CLOSE ON RISING
 <p>Minimum spacing between adjacent contacts: 65mm</p>	L1 mm		
	L2 mm		
	L3 mm		
	L4 mm		
	L5 mm		
	H mm	Standard height = L + 60. Please specify preferred height if greater than L + 60.	