

Switching, Sensing and Control Solutions

from GENTECH INTERNATIONAL LTD

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**DESIGN FEATURES**

- High or low level sensing
- Normally open or normally closed operation by float reversal
- Glass filled polypropylene or Nylon 6.6 material
- External fit option with compression grommet
- Internal fit option
- UL Underwriters Laboratories listed File No. E98428
- Sealing washers and materials suitable for a wide range of chemicals
- Reed switch reliability
- Temperature range up to 130°C
- Minimum SG 0.70
- VS4 with UK Water Research Council approval for hot and cold water
- Top or bottom tank entry

VS

SERIES

VERTICAL LIQUID LEVEL SENSORS

**Operational Characteristics**

Switch Option		01	03	04	06	08
Contact Configuration		SPST	SPST	SPDT	SPST	SPST
Contact ratings		Reed Switch	Reed Switch	Reed Switch	Reed Switch	Triac
Maximum (resistive loads)	Volts DC	100	100	100	100	AC only
	Volts AC	120	250	70	120	250
	Amps	1.0	1.0	0.5	3.0	1.0
	Watts	15	15	3	100	
Minimum withstand across open contacts	Volts	300	800	200	400	400
Initial contact resistance	Ohms	0.25	0.25	0.25	0.75	

The above contact ratings are for resistive loads. For inductive, capacitive and tungsten filament lamp loads refer to the circuit protection notebook.
Available on 1/2" NPT only.

Environmental Specifications

Housing and Float Material	Operating Temperature	Minimum Sg
VS3 - Nylon 6.6	-30° to +130°C	0.85
VS4 - WRC approved Glass Filled Polypropylene	-30° to +110°C	0.70
VS8 - Glass Filled Polypropylene	-30° to +110°C	0.70

Sealing Washer/Compression Grommet

Silicone	-54° to +150°C
Nitrile	-30° to +110°C
EPDM	-54° to +150°C

Detailed chemical resistance information for specific liquids is available on request.

For boiling water applications the maximum operating temperature limits are:- Continuous boiling water 80°C. Non continuous boiling water 100°C.

Mechanical Specification

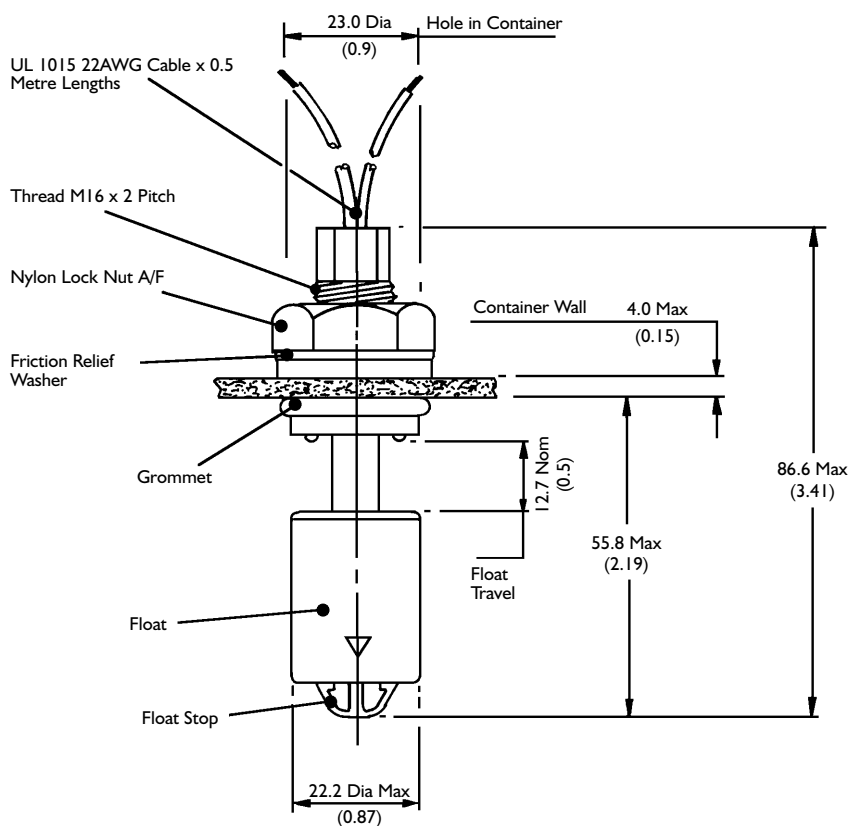
Mounting Position	Operate Window	Shock	Vibration
Top or bottom tank entry travel ±15° vertical	within 5mm (0.196") from float stop	50g for 11ms duration (reed switch only)	35g up to 500Hz (reed switch only)

Electrical Connections

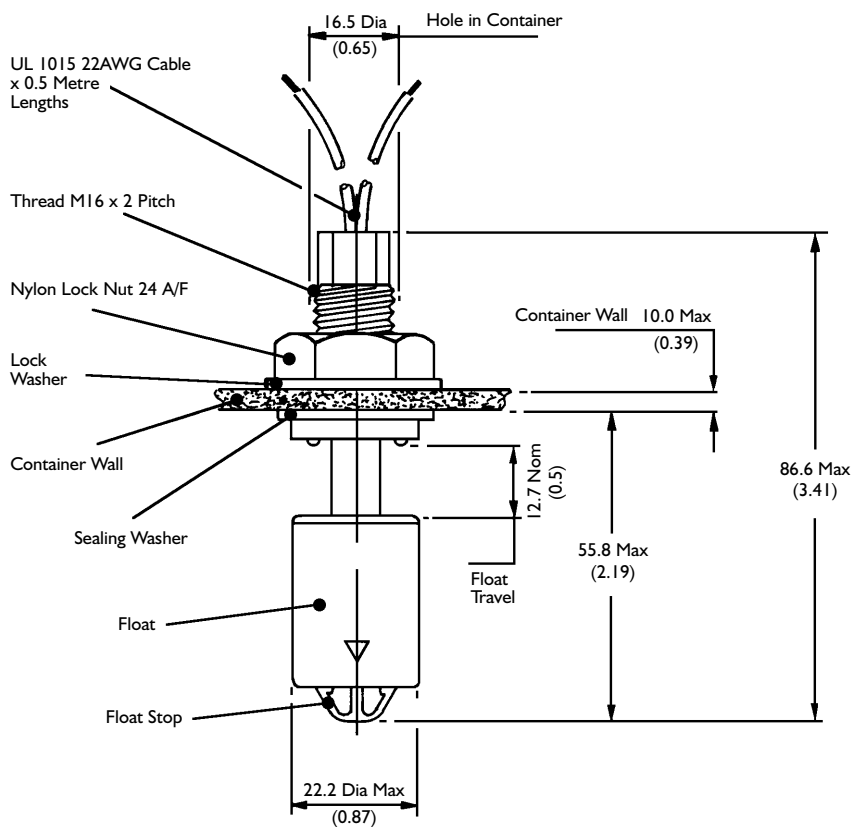
Fitted with 2 x 0.5 metres of 18 AWG, 32/0.2mm stranded, with PVC insulation approved to UL/CAS/BS6361.



External Fitting



Internal Fitting



Installation

Please contact Sales at Gentech for installation instructions (Ref. ????????????)

Applications

Please contact Sales at Gentech for applications relating to this product group.