

## Switching, Sensing and Control Solutions

from GENTECH INTERNATIONAL LTD

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# EVS SERIES

## EXTENDED VERTICAL LIQUID LEVEL SENSORS



### DESIGN FEATURES

- High or low level sensing
- Both switches normally closed with float down
- Glass filled Nylon 6.6 or brass material
- Externally fit option with compression grommet
- Internal fit option
- Sealing washers and materials suitable for a wide range of chemicals
- Reed switch reliability
- Temperature range up to 130°C
- Minimum SG 0.65

### PLEASE NOTE

Due to the vast number of permutations available in the EVS Series, the details shown on this data sheet are for your guidance only. Please contact Sales at Gentech to discuss your precise requirements

### Operational Characteristics

Contact Configuration

Contact ratings Maximum (resistive loads)

Volts DC  
Volts AC  
Amps  
Watts

Minimum withstand across open contacts (Ref)

Initial Contact resistance

Cable colours

HIGH SWITCH SPST  
LOW SWITCH SPST

Contact Configuration		HIGH SWITCH SPST	LOW SWITCH SPST
Contact ratings Maximum (resistive loads)	Volts DC	100	100
	Volts AC	70	250
	Amps	0.3	1.0
	Watts	3	15
Minimum withstand across open contacts (Ref)	Volts	200	800
Initial Contact resistance	Ohms	0.25	0.25
Cable colours		Black	Black
		White	Yellow

The above contact ratings are for resistive loads. For inductive, capacitive and tungsten filament lamp loads refer to the circuit protection notebook number 8/93/23/33343.

### Environmental Specifications

#### Housing and Float Material

Glass filled Nylon 6.6  
Brass housing with Glass filled Polypropylene float  
Silicone sealing washer/compression grommet

#### Operating Temperature

-30° to +130°C Minimum SG 0.9  
-30° to +110°C Minimum SG 0.65

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

### Mechanical Specification

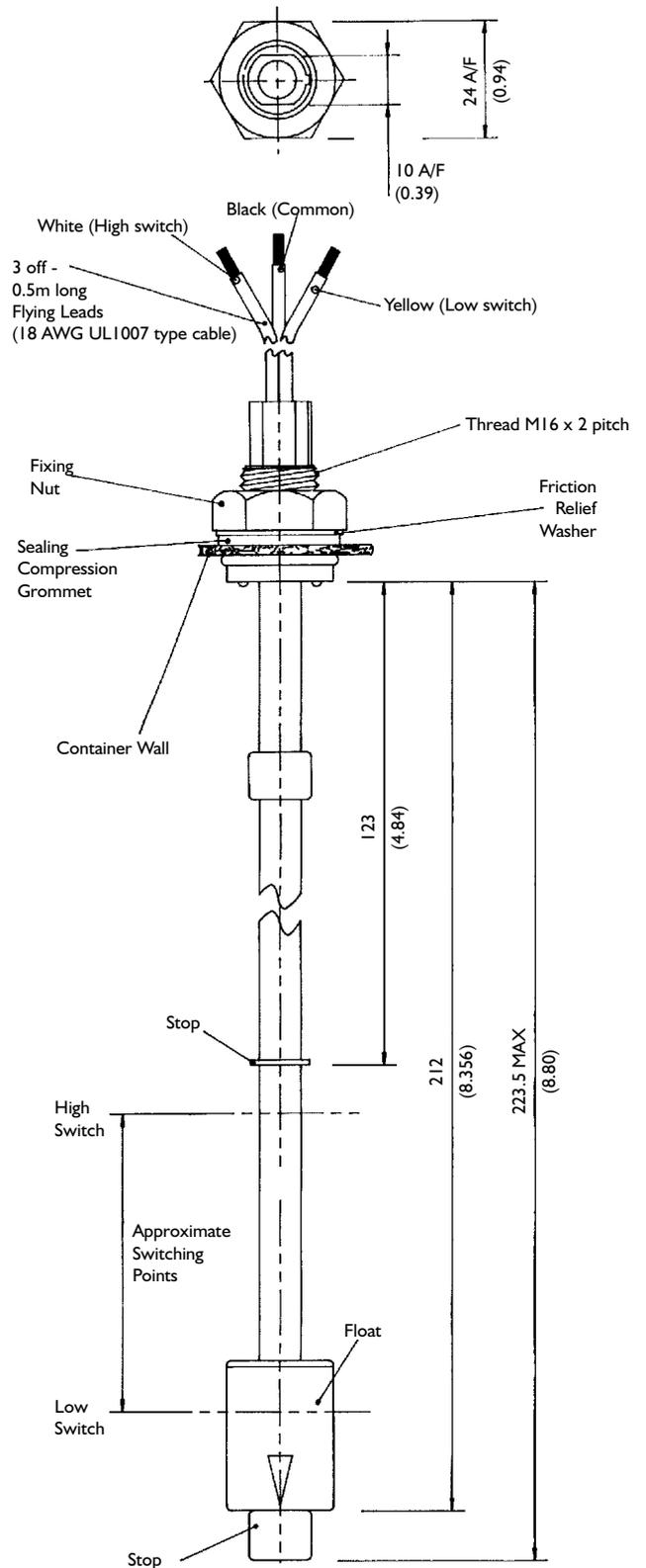
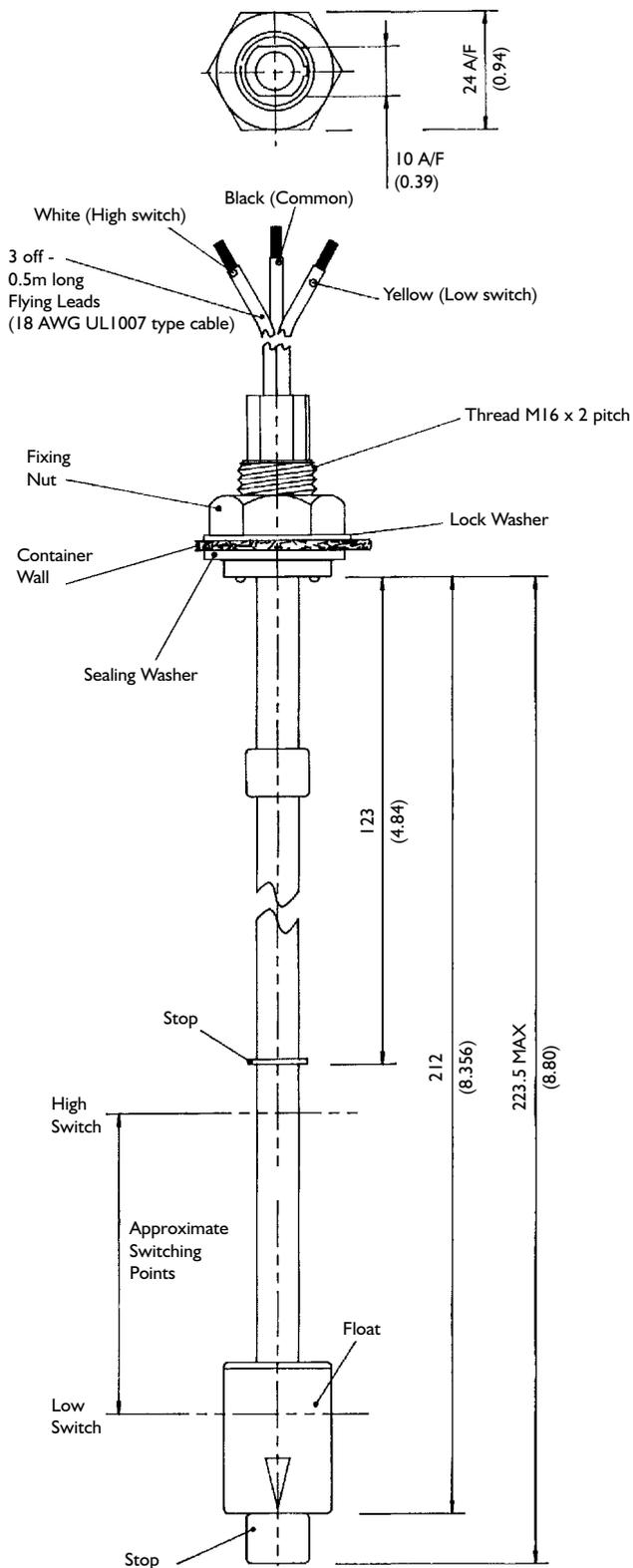
Mounting Position	Operate Window	Shock	Vibration
± 15° from horizontal	operation by float stop	50g for 11ms duration (reed switch only)	35g up to 500Hz (reed switch only)

### Electrical Connections

Fitted with 3 x 18 AWG, 16/0.25mm stranded, with PVC insulation.

## INTERNAL FIT

## EXTERNAL FIT



### Installation

Please contact Sales at Gentech for installation instructions (Ref. FI-0700-R1)

### Applications

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



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