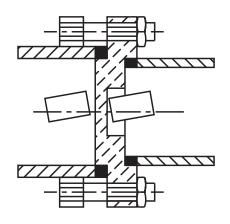
Level Measurement & Control Solutions



Magnetic Float Switch (Side Mounted) Series 137-EA/EY



OPERATING PRINCIPLE:



The float movement of the level switch is transmitted through a solid non magnetic wall by the repulsion of like magnetic poles. This ensures that the float magnet imparts a snap action to the electric or pneumatic switch elements. `S.B.E.M.' level switches are absolutely leak proof & not subject to material fatigue due to gland less design.

FEATURES:

- □ Modular construction ...
 - 1. Switch module.
 - 2. Flange module.

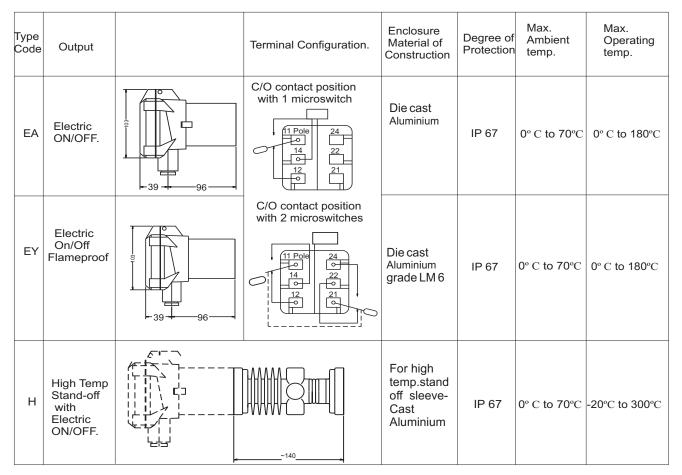
3. Float module. This means it gives flexibility with unlimited switch combinations to suit individual needs.

- Available in Electric On/Off and pneumatic proportional.
- Electric Switch available in Flameproof version also.
- Available with fixed or adjustable differential.
- □ High temperature version available.
- □ All wetted parts in stainless steel.
- Different types of Float Chambers available. For details refer LF-137-0804

SWITCH MODULES:

Type selection depending on application :

- Output required : electric or pneumatic
- Required action / function : Alarm annunciator, Motor starter or Pneumatic Proportional valves
- Type of enclosure to meet environmental conditions
- Flame Proof or Weather Proof: IP 67
- Max. operating temperature inside vessel / tank for high temperature stand off



□ Operating pressure

: 30 Kg/cm² (wet side)

Contact rating

: 5 A @230 VAC Resistive (standard)

Special execution on request:

1)Operating temperature up to 300 °C 3)Silicon bellows

2)Contact rating 10A@ 230VAC

Enclosure Max Input/Output Diagram and Max Operating Type Code Output Material Of Ambient **Pressure Ratings** Temp Construction Temp E - Exhaust Port s - Input Port 1.4 Kg/cm² air pressure Pneumatic PNP C - Controlled output port 0-70°C 0-300°C Aluminium Proportional 0.2 to 1.0 Kg/cm² 0 F S 92 Ŝ

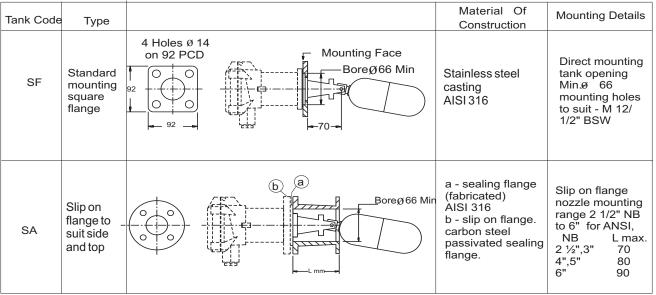
Supply connections : Std. 1/8" NPT (female), Optional 1/4" NPT (male/female), 1/4" BSP (male/female) with adaptors. Instrument quality air supply is essential for PNP switch modules. For more details on PNP switch controller refer LF-137-0808

FLANGE MODULES:

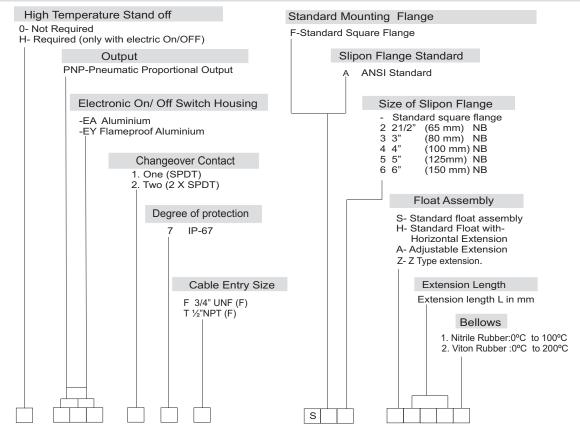
Type selection depending on :

□ Standard mounting flange

□ Flange / nozzle mounting to ANSI.



ORDERING CODE:



ORDERING EXAMPLES MODULE CODES

1. Model Code: H - E A 2 7 F S A 4 S 3 0 0 -

Float switch with Electric ON/OFF, enclosure of aluminium with high temperature standoff having IP 67 degree of protection with 2 changeover contacts & 3/4" UNF Cable entry. Standard Square Flange, with a Standard Float Assembly & Extension Length L= 300mm.

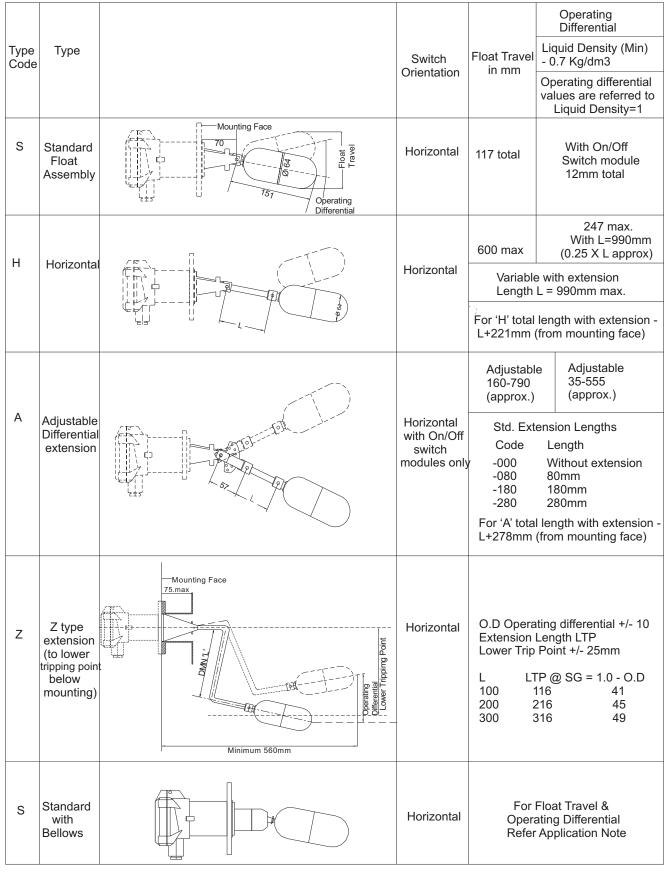
2. Model Code: - - E A 2 7 T S A 1 Z 2 0 0 1

Float switch with Electric ON/OFF, aluminium housing with IP 67 degree of protection with 2 changeover contacts & $\frac{1}{2}$ " NPT Cable entry. 6" ANSI slip on flange, with a Z-type Float Assembly & extension length=200mm with nitrile rubber bellows.

FLOAT MODULES:

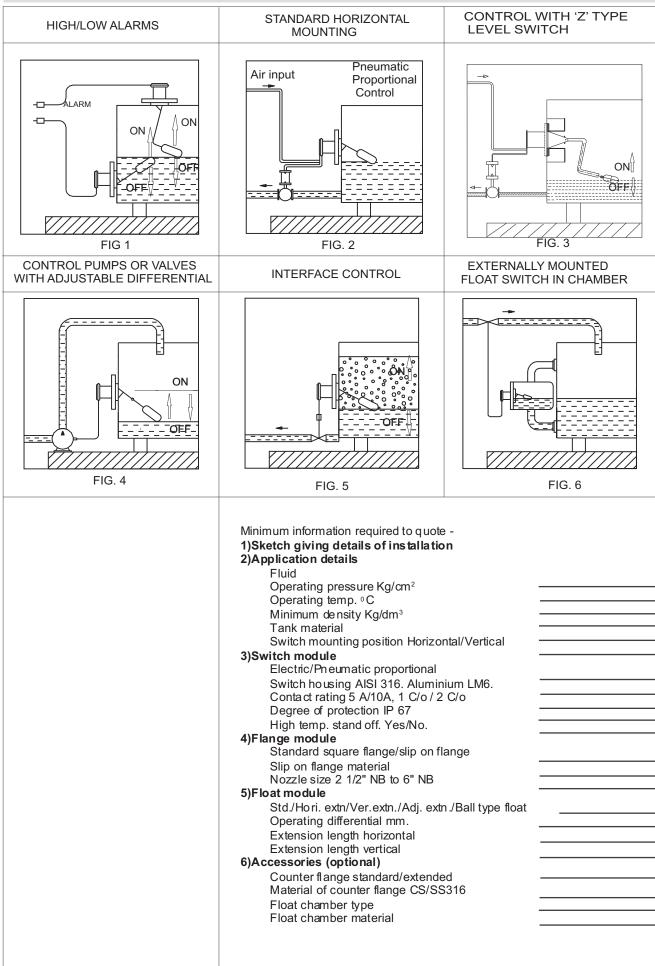
Type selection depending on :

- Mounting position
- Level differential required
- Output of switch module

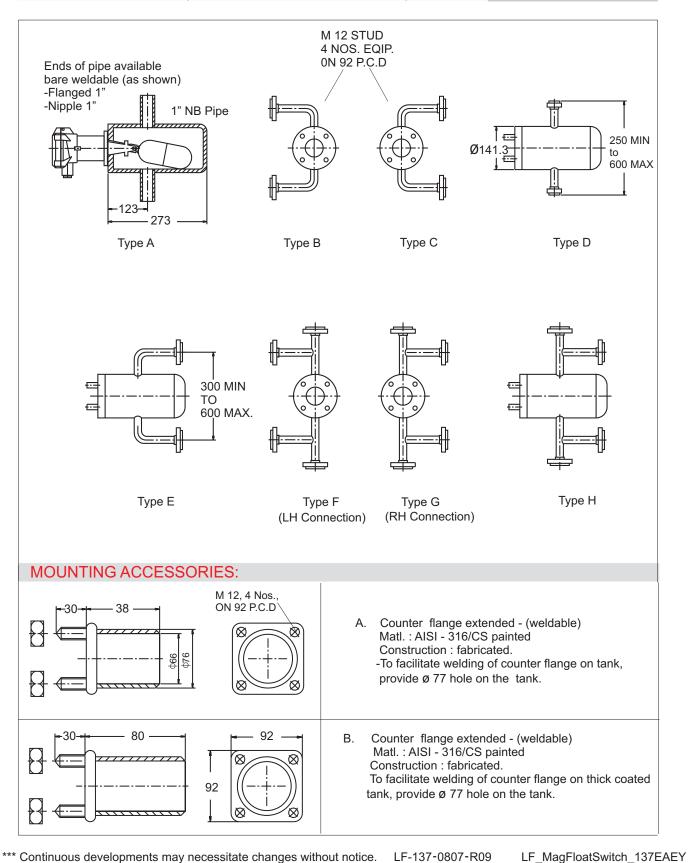


Material Of Construction for Wetside Components: AISI 316 Stainless Steel

APPLICATION EXAMPLES:



FLOAT CHAMBERS (FOR EXTERNAL MOUNTING)





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Our Product Range	
Level Switches: Float, Displacer, Capacitance,	
Conductivity, Vibration, Rotary Paddle	
Level Transmitters: Pulse Radar, Guided Wave Radar,	
Ultrasonic, Capacitance, Hydrostatic	
Tank Gauging: Servo, Float & Tape, Magnetostrictive,	
Float & Board, Tubular, Reflex, Transparent	
Flow Meters: Electromagnetic, Ultrasonic	
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