

VERY HIGH PRESSURE LEVEL SWITCH HIGH RELIABILITY – MECHANICAL SIMPLICITY

MODEL 762

FEATURES

- Mechanical Simplicity Produces Maximum Reliability
- Designed In Accordance With ANSI B31 Or Other
- Radiography And Dye Penetrant Testing
- Hydro Pressure Test At 150% Of Design Pressure
- 100% Operational Testing
- Low SPG Operation; To 20,000 PSIG Basic
- Interface Detection At Very High Pressures
- Insensitive To High Frequency Vibration
- No Seals To Leak, Magnetically Coupled
- Material Certificates, Mill Test Reports, And Test Documents Provided To User

OPERATION

The Model 762 Level Switch provides output switching at one elevation of a varying liquid level. The unit has its primary element mounted outside the process vessel. The external cage design is utilized to minimize process turbulence effects and so that the level alarm may be valved off from the process vessel. It can then be depressurized for testing and maintenance without disturbing the operation of the process. The output of the unit consists of a switching action at a preset liquid level elevation.

The liquid level rises and the displacer lifts the attractor in front of the switch station magnet. This external magnet pulls in and the output switch is actuated. Decreasing liquid level moves the displacer assembly downwards. The output switch deactuates when the attractor is pulled out of the switch station's magnetic field.

SWITCH STATION AND DISPLACER

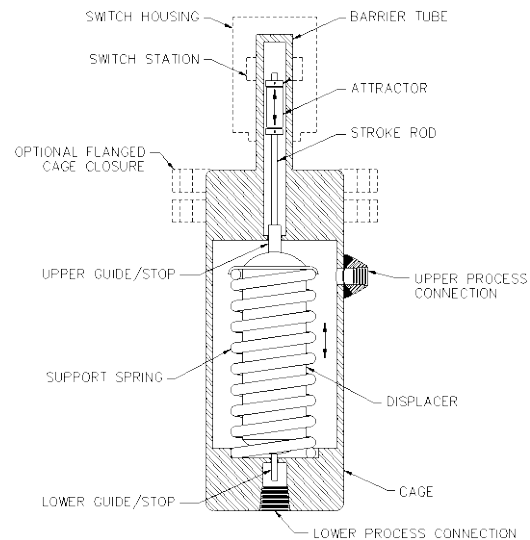
The switch station is on the outside of the barrier tube and is isolated from the process liquid. It is equipped with a magnet whose lines of force pass through the non-magnetic barrier tube. The magnet is pulled in against the outside of the tube and actuates the microswitch(s) when the attractor is lifted into the magnetic field inside the tube.

This unit utilizes thick wall displacers for sensing elements. The support spring offsets most of the displacer weight so that liquid buoyancy requirements are minimized. It is designed for very high pressure services, even those with low specific gravities.



Model 762-36-2"GL

SCHEMATIC CUTAWAY



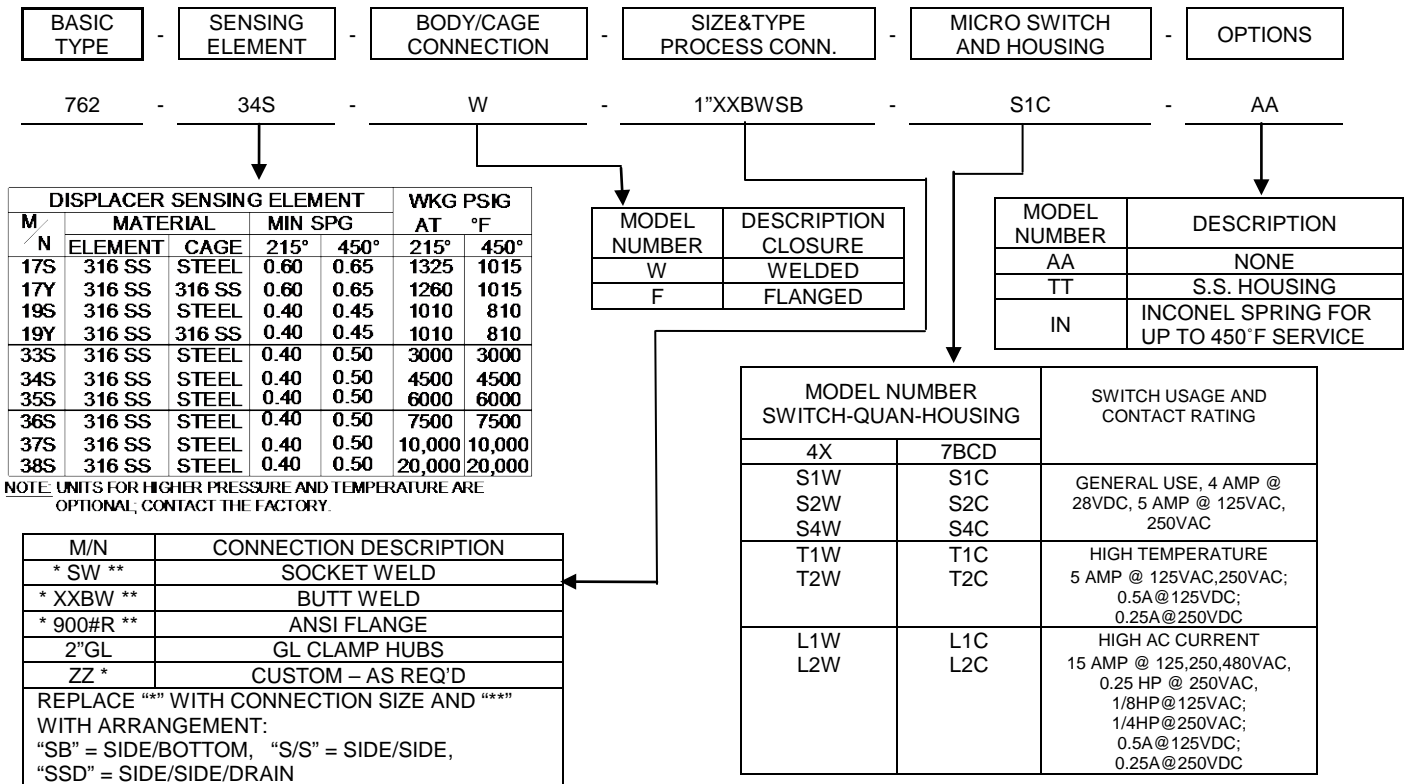
(Side/Side Type Available)



DELTA CONTROLS
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LIQUID LEVEL AND INTERFACE ALARM FOR VERY HIGH PRESSURES

MODEL NUMBERING SYSTEM



SPECIFICATIONS

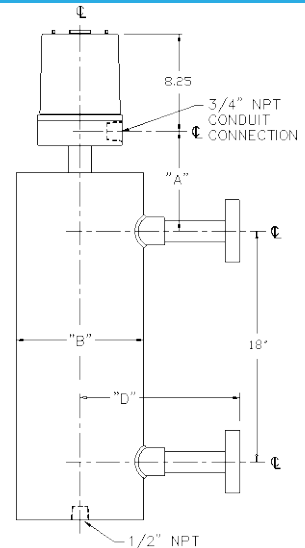
- Temperature: -20 to +215°F (-18 to +102°C);
-20 to + 450°F (-18 to 230°C) optional
- Basic Materials: A106 steel and 316 stainless steel
- Design Pressure: In accordance with ANSI B31, ASME Section VIII; or other recognized standards
- Support Spring: 316 S.S. to 215°F
Inconel 750 to 450°F
- Trim and Displacer: 316 S.S.
- Attractor: 316 or 416 S.S.
- Cage Style: Seal welded or flanged
- Process Connections: Socket weld, butt weld, flanged, Grayloc clamp hubs, or custom as required.

OPTIONAL

Custom modifications to suit a particular application; including materials, dimensions, etc.

M/N	DIMENSIONS (HIGH TEMP)	
	"A"	"B"
17*	7.7	6.6
19*	7.7	8.6
33	10.7	8.6
34	10.7	8.6
35	10.7	9.0
36	10.7	9.0
37	12.0	11.0
38	C/F	C/F

* DIMENSIONS ARE FOR SIDE/BOTTOM TYPE PROCESS CONN.



DESIGNED AND BUILT
IN THE USA



DELTA CONTROLS
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