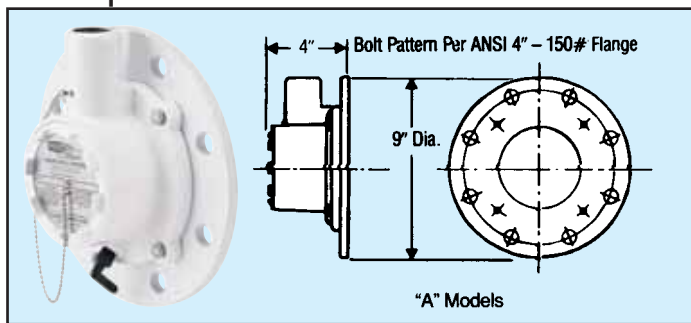


Liquid Level Switches

For Sludge, Slurry, or Liquids

S-D™ Liquid Level Switch



MODELS

Model	Description
A1FP20	S-D™ with 1 standard switch, 4" aluminum flange (6-12" range), neoprene diaphragm, anodized aluminum housing
A2FS20	S-D™ with 2 standard switches, 4" aluminum flange (6-12" & 6-12" ranges), neoprene diaphragm, anodized aluminum housing
A2IV20	S-D™ with 2 standard switches, 3" carbon steel flange adapter (6-12" & 22-48" ranges), neoprene diaphragm, anodized aluminum housing
A5FS20	S-D™ with 2 gold switches, 4" aluminum flange (6-12" & 6-12" ranges), neoprene diaphragm, anodized aluminum housing

A unique patented **Magnetic Linkage** in the S-D™ Liquid Level Switch isolates the electrical compartment, containing one or two switches, from controlled product. This reduces maintenance and improves sensitivity. The sealed switch compartment and sealed leads yield highly reliable operation. A variety of switch types, options, mounting choices and thumb-wheel adjustable ranges is available to fit your specific application. The S-D™ Level Switch is very sensitive and economical. The force required to depress the diaphragm and trip the switch(es) is in inches of water column. The simple design has been proven rugged and reliable providing long life in the most severe applications.

SPECIFICATIONS

Service: Compatible liquids.

Wetted Materials:

Mounting Flange: See model chart. Aluminum, carbon steel, PVC, or 316 SS available.

Diaphragm: See model chart. Fluoroelastomer, Neoprene, Urethane, Buna N, PTFE, Silicone rubber, or food grade available.

Temperature Limits: 180°F (82.2°C) suspended in liquid, 220°F (104.4°C) exterior tank mounted.

Pressure Limit: 75 psig (5.2 bar).

Enclosure Rating: Weatherproof and submersible.

Repeatability: ±1 to 3% of full range. Contact factory for specific values.

Switch Type: SPDT snap switch or SPDT gold contact snap switch. One or two switches available.

Electrical Rating: Snap Switch: 15A @ 125/250/480 VAC. Gold Contact Snap Switch: 1A @ 24 VDC/125 VAC.

Electrical Connections: 18 gage solid core, 600 volt TEW 105°C, style 1015. Epoxy sealed at conduit entrance. 36" (914.4 mm) long.

Conduit Connection: 1/2" female NPT.

Process Connection: See model chart. 2" flange, 3" flange, 4" flange, 1/2" to 3" NPT, or suspended available.

Mounting Orientation: Flange mount, screw in, or suspend depending on model.

Set Point Adjustment: Internal screw. Adjustable anywhere within the pressure range.

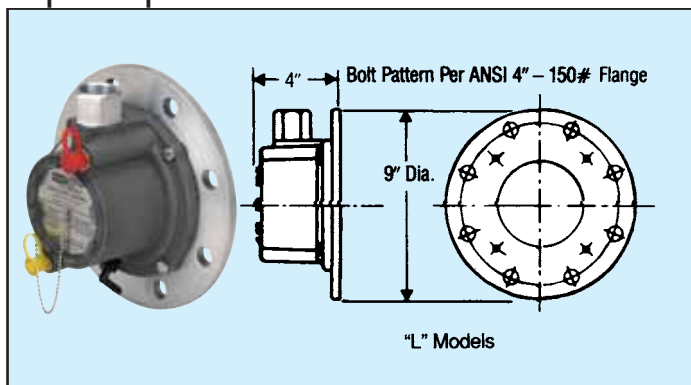
Weight: 6 lb (2.72 kg).

Ranges: 6 to 12" w.c. (1.49 to 2.99 kPa), 11 to 24" w.c. (2.74 to 5.97 kPa), and 22 to 48" w.c. (5.47 to 11.9 kPa).

Deadband: Approximately 20% of range. Contact factory for specific values. Optional wide deadband of approximately 50%.

Options: Suspension kits and dip tube kits.

Sliquid™ Liquid Level Switch



MODELS

Model	Description
L1FK20	Sliquid™ with 1 standard switch, 4" aluminum flange (6-42" range), neoprene diaphragm, anodized aluminum housing
L2FA20	Sliquid™ with 2 standard switches, 4" aluminum flange (6-42" & 6-42" ranges), neoprene diaphragm, anodized aluminum housing
L2FB20	Sliquid™ with 2 standard switches, 4" aluminum flange (6-42" & 12-120" ranges), neoprene diaphragm, anodized aluminum housing
L2VB11	Sliquid™ with 2 standard switches, 4" 316SS flange (6-42" & 12-120" ranges), Fluoroelastomer diaphragm, White epoxy on anodized aluminum housing

This top-of-the line Sliquid™ Level Switch has the unique, patented **Magnetic Linkage** that completely isolates the electrical compartment, containing 1, 2 or 3 switches, from controlled product. Maintenance is thus reduced and sensitivity improved. Sealed switch compartment and sealed leads yield the utmost in reliable operation. A variety of switches, mounting choices and the broadest range of adjustability is available with the Sliquid™ Level Switch. The force required to depress the diaphragm and trip the switch(es) is in inches of water column. The increased adjustment capability is provided by a different spring and screw design versus the S-D™ Level Switches thumbwheel design.

SPECIFICATIONS

Service: Compatible liquids.

Wetted Materials:

Mounting Flange: See model chart. Aluminum, carbon steel, PVC, or 316 SS available.

Diaphragm: See model chart. Fluoroelastomer, Neoprene, Urethane, Buna-N, PTFE, Silicone rubber, or food grade available.

Temperature Limits: 180°F (82.2°C) suspended in liquid, 220°F (104.4°C) exterior tank mounted.

Pressure Limit: 75 psig (5.2 bar)

Enclosure Rating: Weatherproof and submersible.

Repeatability: ±1 to 3% of full range. Contact factory for specific values.

Switch Type: SPDT snap switch or SPDT gold contact snap switch. One to three switches available.

Electrical Rating: Snap Switch: 15A @ 125/250/480 VAC. Gold Contact Snap Switch: 1A @ 24 VDC/125 VAC.

Electrical Connections: 18 gage solid core, 600 volt TEW 105°C, style 1015. Epoxy sealed at conduit entrance. 36" (914.4 mm) long.

Conduit Connection: 1" NPT female.

Process Connection: See model chart. 2" flange, 3" flange, 4" flange, 2" NPT, or suspended available.

Mounting Orientation: Flange mount, screw in, or suspend depending on model.

Set Point Adjustment: Internal screw. Adjustable anywhere within the pressure range.

Weight: 6 lb (2.72 kg).

Ranges: 6 to 42" w.c. (1.49 to 10.45 kPa), 12 to 120" w.c. (2.99 to 29.9 kPa), and 100 to 200" w.c. (24.9 to 49.8 kPa).

Deadband: Approximately 20% of range. Contact factory for specific values.

Options: Suspension kits and dip tube kits.