



Specialists In Liquid Level Indication

Magnicator® II

Point Level Switch Model SAS-16 Switch

Section:	M100
Bulletin:	M100.27
Date:	5/1/01
Supersedes:	NEW

- Easy Installation - Externally Clamps to Magnicator II Gage Chamber
- Snap-Action Latching Switch
- Externally Mounted - No Contact with Fluid Process
- Fully Adjustable Switch Position
- Highly Resistant to Vibration
- Trouble-Free & Repeatable

new technology featuring

Positive Snap-Action
NO Springs
NO Cams !!



Model SAS-16



- This switch can carry a full 16 Amp load to directly control pumps, valves, alarms or other process equipment. Unlike capacitance, conductivity or ultrasonic switches, no power source is required to drive any additional electronic circuitry.
- Standard enclosure material – anodized aluminum (stainless steel enclosure available)
- Available with Junction Box: UL Approved for Hazardous Locations - Class I, Div. I, Groups B, C & D (aluminum only)



Rated 120 VAC, 16 Amp Current Load, SPDT	UL US	CE
Maximum 300 VAC, 10 Amp Current Load		
Maximum 240 VDC, 10 Amp Current Load		
UL Approved for Hazardous Locations - Class I, Div. I, Groups A, B, C & D		
CE Approved - EEx d 11C 250°C (T2)		
NEMA 4 Watertight		

Magnicator® II Point Level Switch • Model SAS-16 Switch

Principle of Operation

The switch mechanism is based on a unique JERGUSON three-dimensional magnet design where the snap action is accomplished by the utilization of magnetic repulsion. The magnet mounted in the float causes the secondary magnet to rotate as it passes up and down. The switch magnet is repelled by the secondary and snaps to the opposite side. This causes the cradle to pivot, moving the push rod which operate the switch contacts.

The result is positive snap action interlock switching - no springs...no cams..no problems.

Model SAS-16 Specification

Maximum Current: 16 amps @ 120VAC
10 amps @ 300 VAC
10 amps @ 240 VDC
Contacts: SPDT

Enclosure Rating

UL / CUL Approved per NEC Class 1,
Div. 1, Groups A, B, C & D

CE EEx d 11C 250°C (T2)

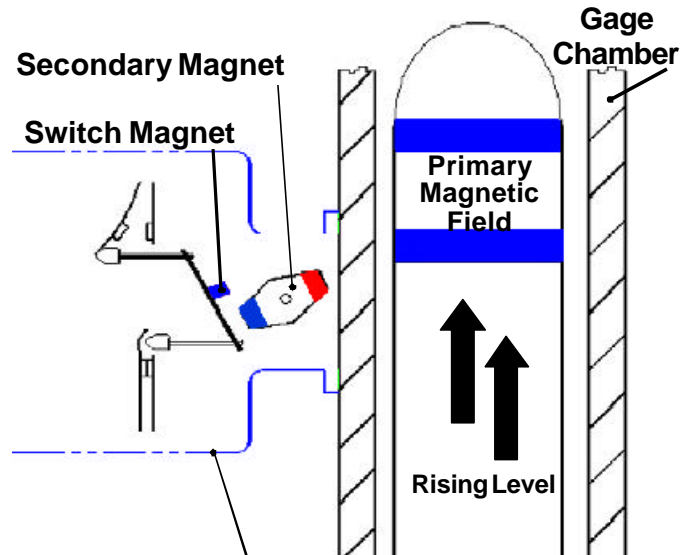
Connection: 1/2" FNPT

Ordering Information

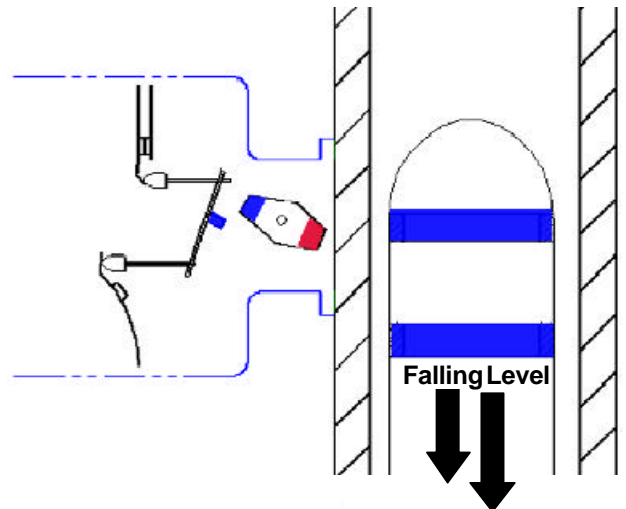
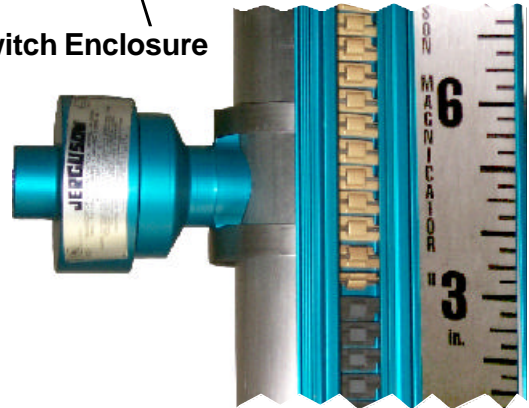
SAS-16 Switch with Flying Leads: # A25669

SAS-16 Switch with Junction Box
with Terminal Block: # A26044

Junction Box with Terminal Block # S-22863



Switch Enclosure



THE
Clark-Reliance®

C O R P O R A T I O N

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