JERGUSON®
A Product of Clark-Reliance

SAS-16™
Magnicator®
Point Level Switch

Section: M100
Bulletin: M100.27
Date: 12/2021

Tri-Magnet Reliability…
on a Magnicator!

- Snap-Action Latching Switch
  - No Cams or Springs
  - Highly Resistant to Vibration
  - Trouble-Free & Repeatable
- Suitable for Applications **up to 750ºF (400ºC)**!
- Externally Mounted – *No Contact with Fluid Process*
  - Easy Installation – *Externally Clamps to Magnicator® Indicator Chamber*
  - Fully Adjustable Switch Position
- Rated for full 10 Amp load to directly control pumps, valves, alarms or other process equipment.
- Standard Anodized Aluminum enclosure
  - Stainless steel enclosure optional
- Available with Junction Box and Terminal Strip.

Applications Include:

- Feedwater Heater Tank
- Drip-Leg Boot
- Deaerator Tank
- Separator Vessel Boot
- Many more!

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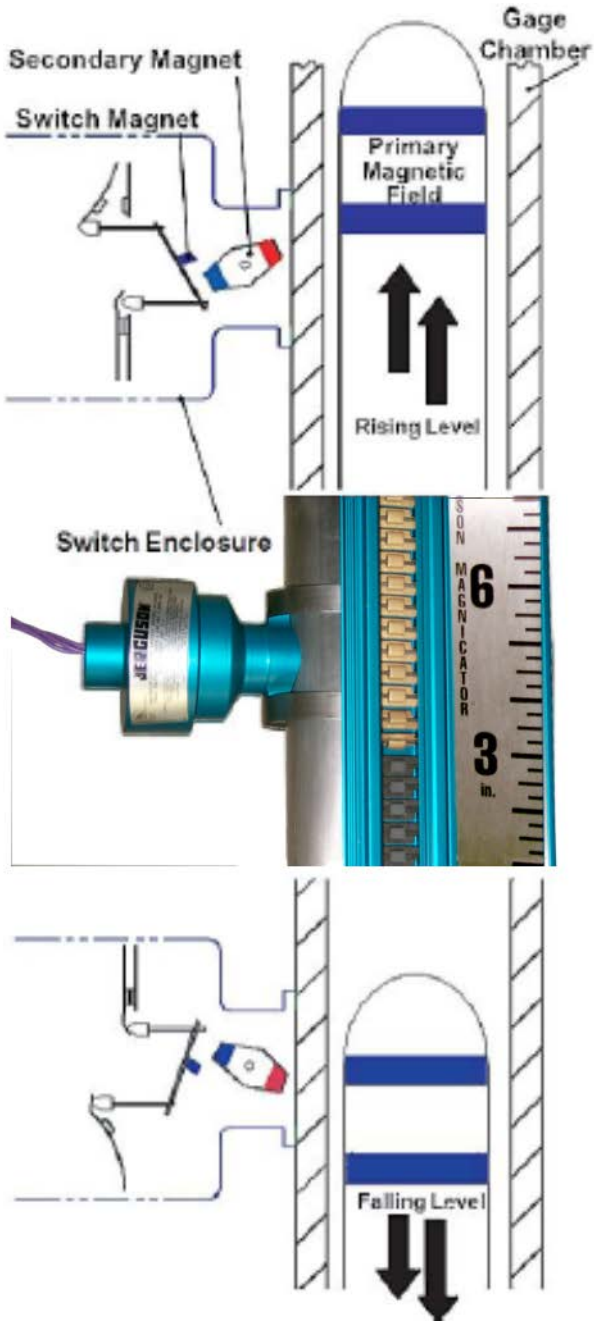
Jerguson® SAS-16™ • Magnicator® Point Level Switch

Principle of Operation

The switch mechanism is based on a unique Jerguson Tri-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 operates the switch contacts.

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

Can be used a low, low-low, high, or high-high alarm. Control all four alarms with one level instrument!



– SPDT Switch
– Max (AC); 300 VAC, 10A
– Max Power (AC); 2000VA
– Max (DC); 240 VDC, 10A,
– Max Power (DC) 50W

ATEX Approved - Ⓔx II 2 G Ex d IIC T6-T1 Ta -20°C to 40°C
NEMA 4X Design

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