

The Ultimate Level Switches for **Reliability & Security** for Boiler & Tank Applications



Levalarm[®]

High/Low Water Alarm Switches
and Fuel Cutouts

Reliance[®]

A PRODUCT OF CLARK-RELIANCE[®]

The Most Secure Boiler Level Switch



Levalarm® GOLD Switch

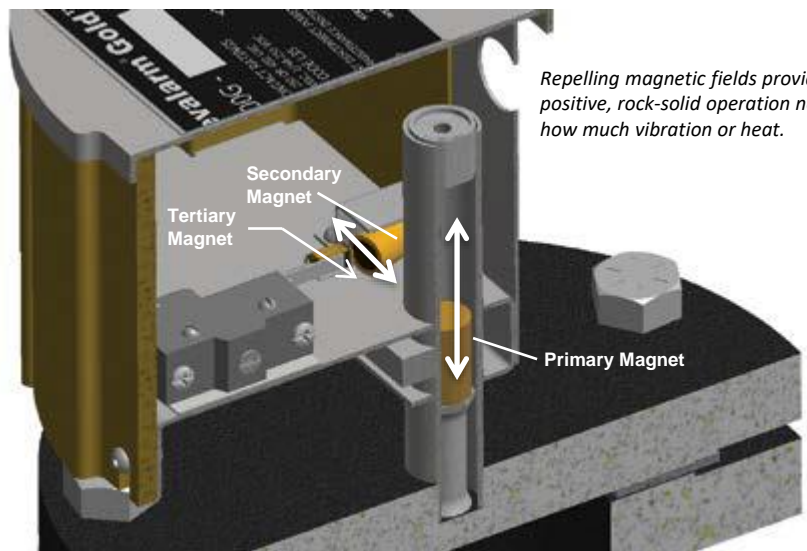
- For Pressures up to 1000 psi
- Zero effect from heat, vibration or loss of electrical power
- Positive interlocking magnet design – proven over 30 years of use
- Drop-in design requires no adjustments to commission

The new Levalarm GOLD switch represents a major step forward in reliability. It employs the same interlocking magnet operation used by Clark-Reliance in its Jerguson Level Switches for over 28 years. Here's how it works:

A stainless steel float is attached to the end of a rod with a stainless steel encapsulated magnet. The magnet travels vertically in the pressure tube. The primary magnet on the float rod inside the pressure tube drives the secondary magnet, which in turn drives the tertiary magnet. The tertiary magnet is mounted to the switch arm and activates the switch. The use of repelling magnetic fields create a positive interlocking switch that is vibration resistant.

A buoyed float will cause the reaction of the magnets to hold the switch open or closed, depending on which switch terminals are used. As liquid falls in the chamber,

the float drops and directs the magnets to the opposite position which activates the switch in the opposite direction.



Low Water Fuel Cut-Out Probe Bypass

During probe column or Levalarm blowdown, the Holding Switch (Model HS-1) provides a bypass around the fuel cut-out relay. This simple switch maintains relay circuit continuity momentarily, while being held in the bypass position during blowdown. The Holding Switch also provides an indicator light to verify that the fuel cut-out relay is functioning properly. The switch can be installed for bypass functions with probe-type Levalarm on columns, boilers or tanks. Also available without indicator light (Model HS-0).

Audible, Visual Alarms

Audible or visual alarms are available for all Levalarm applications. The vibratory horn has a decibel rating of 100 DB at 10 ft and comes in standard model (350N) or weatherproof model. Visual alarms come in Normal/Danger and High/Normal/Low models. Specify supply voltage when ordering.

Clark-Reliance "Retropak PC" Models EA17 (for applications up to 4 probes) & EA18 (for applications with 5 or 6 probes) are available for converting older float-type whistle alarm water columns into modern Probe Control Stations.



Clark-Reliance Levalarm® Models: Descriptions & Functions

Model	Application	Functions	Material	Connections	Max Pressure	Switch Rating
EA100G-150 EA100G-300 EA100G-600	Boilers, Tanks, & Water Columns	High or Low Alarm, Fuel Cut-Out, and Pump Controls	SA-216		200 psi 500 psi 1000 psi	Series R100L (Plug in) 5A-120 & 240 V AC
EA101D				1" Screwed	350 psi 1000 psi	
EA101S				1" Screwed	450 psi 1000 psi	
EA100SW				1" Socket Weld	1800 psi	
EA17/EA18 Retropak	Water Columns		SA516 Gr. 70	Flanged Cap	250 psi Cast Iron 900 psi Steel	
EA100DRPT	EA100D	Low Alarm Low Cut Out		Cover Plate	350 psi	
EA100SRPV	EA100S EA100SW				800 psi	

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