



**Features**

- Moving parts and switch hermetically sealed. Isolated from moisture, dust and tampering.
- Visual observation of switching action.
- Non mercury, 10 Amp snap-acting switch, fuse protected.
- Switch assembly can be replaced without opening to refrigerant pressure.
- Suitable for all common refrigerants and similar liquids
- Can be externally actuated with permanent magnet to check electrical circuits
- Switch assembly fully rotatable to suit installation position
- Large available differential minimizes short cycling or actuation of switch by liquid surges
- UL listed

**Liquid Level Float Switch**

Provides electrical switching action in response to a change in liquid level.

**Applications**

- To control liquid level in:
- Liquid over-feed accumulators
  - Flooded surge drums
  - Flooded sheel and tube chillers
  - High and low pressure receivers
  - Intercoolers
  - Transfer vessels
  - Low or high level monitor

**Specifications**

Standard Chamber Material ..... Steel  
 Float Ball Material ..... Stainless Steel  
 Design Pressure (MRP) ..... 300 psig (21 bar)  
 Std. Fluid Temp. Range ..... -45°C to 65°C (-50°F to 150°F)  
 Ambient Temp. Range ..... -45°C to 50°C (-50°F to 120°F)  
 Switches ..... SPDT, snap-acting, non-mercury  
 Rating ..... 120/240 VAC 10Amp 240 VA Pilot Duty  
 Fluid Specific Gravity Range ..... 0.57 to 1.70  
 Differential ..... Adjustable 13-50mm (½" - 2")  
 Factory set at 50mm (2")  
 Chamber Connections ..... Combination fitting  
 ¾" FPT or 1" Butt Weld  
 Replaceable Fuse Style Bag ..... 7 Amp 240 VAC

Type	Description	Net Weight	
		kg	lb
LL	Standard	4.5	10
LLA*	Low Temperature		
LLC	LL with Metal Cover	5.4	12
LLAC*	Low Temperature with Metal Cover		
LLS	Side, side and bottom connections	4.5	10
LLSC	LLS with Metal Cover	5.4	12

\*Low Temperature models available to -75°C (-100°F), stainless steel.

**To Order**

Specify Type. If for other than common refrigerants or refrigeration oil, give type and temperature of liquid, specific gravity and pressure to be encountered.  
 Replacement Switch Assembly: Part No. 050100  
 Permanent Magnet for external operation of switch: Part No. 201513

**Sight Glass**



The liquid level sight glass SG1 provides a clear indication of liquid levels in industrial refrigeration systems. The light intensity of the glass reflex lens provides a distinct indication of the presence of liquid (dark) or vapor (light).

Housing is made from ASME SA36 and meets material requirements of ASME for direct welding to vessels.

**Features**

- Reflex Lens
- Extended housing accommodates welding and insulation
- Optional Saddle Mill Housing  
 Frost shield

**Specifications**

Design Pressure (MRP) ..... 400 psig (27 bar)  
 Fluid Temperature Range ... -50°C (-60°F) to 115°C (240°F)

**To Order**

Specify Type SG1 and length (2" or 4")