

# Single Stage Liquid Level Switches

**SINGLE STAGE LIQUID LEVEL SWITCHES** are designed to shut down machinery or turn on warning devices when the liquid supply fails or recedes to a predetermined level. This is especially important in automated plants which demand bearing protection to safeguard against downtime and costly repairs.

The units are ideal for monitoring the liquid level in unattended automated plants, large bearings, gear cases, transformers, circuit breakers, oil tanks, and cutting oil reservoirs on screw machines, along with many other applications. They can be wired to flash a warning light, sound a howler, shut down a machine, or signal a computer.

The switch with a clear acrylic reservoir is used for remote indication of low liquid levels. The top outlet can be piped directly into the reservoir, or it can be vented to the outside for use on applications with atmospheric pressure.

The switch less reservoir is designed for internal use on open or pressure tanks. Simplicity makes these switches reliable in operation. When the liquid in the reservoir recedes to the low level, a magnet carried inside of the float actuates a reed switch within the central pipe.

The magnetic reed switch is single pole-single throw and is intended for pilot control only. It is potted into an auxiliary tube with silicone rubber for protection against shock and moisture. This reed switch assembly is screwed into the lower end of the liquid control switch and can be removed without draining the float chamber. An Oil-Rite relay is recommended.

## SPECIFICATIONS:

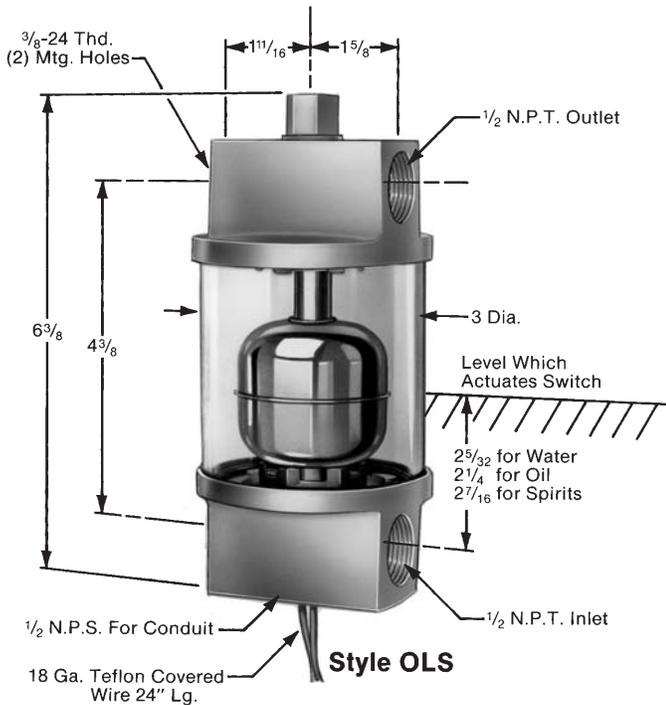
- Temperature
    - With Housing 170° F. Max.
    - Less Housing 220° F. Max.
  - Pressure
    - With Housing 125 P.S.I. Max.
    - Less Housing 200 P.S.I. Max.
  - Reed Switch
    - Contact Rating - Resistive Load
      - 120 Volt A.C. .4A.
      - 240 Volt A.C. .2A.
      - 480 Volt A.C. \*N/ R
      - 24 Volt D.C. 1.0A.
      - 120 Volt D.C. .4A.
      - 220 Volt D.C. .2A.
  - End Plates Aluminum Alloy
  - Float Chamber Acrylic
  - Float Stainless Steel
  - Gaskets Buna-N
- (\*Not Recommended)

**Normally Open**  
Contacts close with descending level.

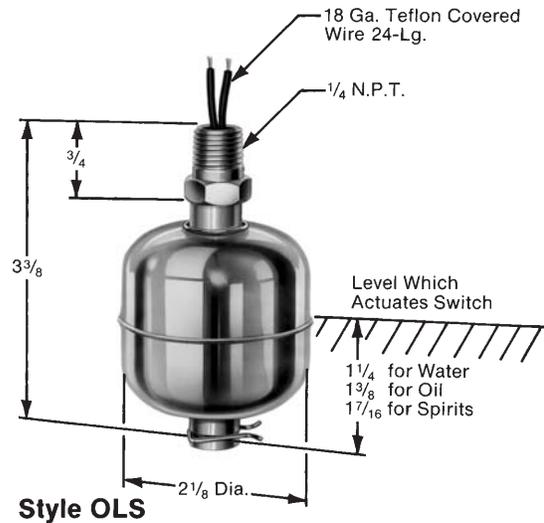
**Normally Closed**  
Contacts open with descending level.

## When Ordering Specify:

- Catalog Number



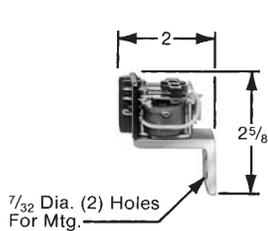
**Style OLS**



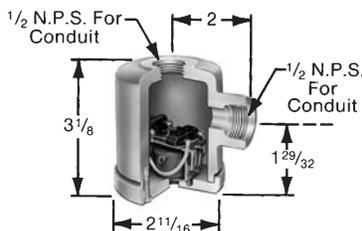
**Style OLS**

Catalog Number	One Stage Liquid Level Switch	Contacts
B-2364-1	With Housing	Normally Open
B-2364-2	With Housing	Normally Closed

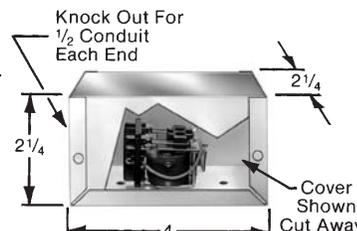
Catalog Number	One Stage Liquid Level Switch	Contacts
B-1519-1	Less Housing	Normally Open
B-1519-2	Less Housing	Normally Closed



Model Number	Relay
A-3160-1	Panel Mounting



Model Number	Relay
A-4621-1	Cast Conduit Box



Model Number	Relay
A-3138-1	In Dust Cover

## Single Stage Relay

Relays are U.L. and C.S.A. Approved  
Contact: D.P.D.T., 10 Amps @120 VAC.  
Resistive Load  
Electrical Characteristics

## When Ordering Relay Specify:

- Model Number
- Voltage and Frequency