

# Surface Level Switch - LSR

Automate Utility / Floor Pumps

## DESCRIPTION OF OPERATION



The Surface Level Switch with Lift Bracket is used to automate a utility/floor sucking pump. Set the Surface Level Switch on the floor and plug the power cord from the pump into the piggyback plug on the switch. Plug the piggyback plug into a standard 120 VAC wall outlet (the unit will also work on GFI outlets).

When water touches the "On Probe", the pump will turn on. A 10-second delay timer keeps the pump running when water is no longer touching the "Off Probes". The time delay feature also prevents rapid pump cycling if the water has ripple or wave action. The switch is filled with epoxy so it can be completely submerged in water and operate properly.

The switch is designed to turn on at 1.5" liquid level and turn off at 0.5". The Surface Level Switch uses an isolated patented circuit that detects water with no shock hazard at the probes. This product is for use with the Tsurumi LSR2.4S pump.

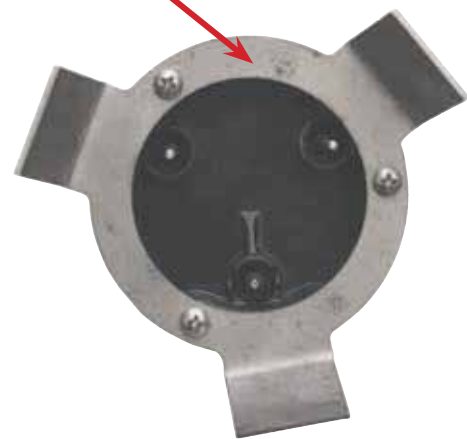
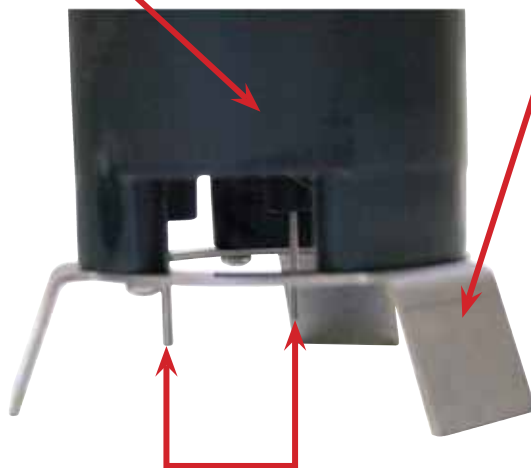
The Surface Level Switch connected to utility pumps is the ideal solution for problem areas such as shallow water accumulations due to flooding, ground water intrusion or broken water pipes.

## FEATURES

**Epoxy Filled Electronics - Completely Waterproof**

**Wide Base for Stability**

**Stainless Steel Lift Bracket**



**Stainless Steel Water Detection Probes**

 **TSURUMI PUMP**

# SPECIFICATIONS

## Surface Level Switch with Lift Bracket

**Housing Material**  
ABS Plastic

**Lift Bracket**  
Stainless Steel

**Probe Material**  
Stainless Steel

**On Level**  
1.5"

**Voltage on Probe**  
12 VDC from Internal Class 2 Isolated Transformer

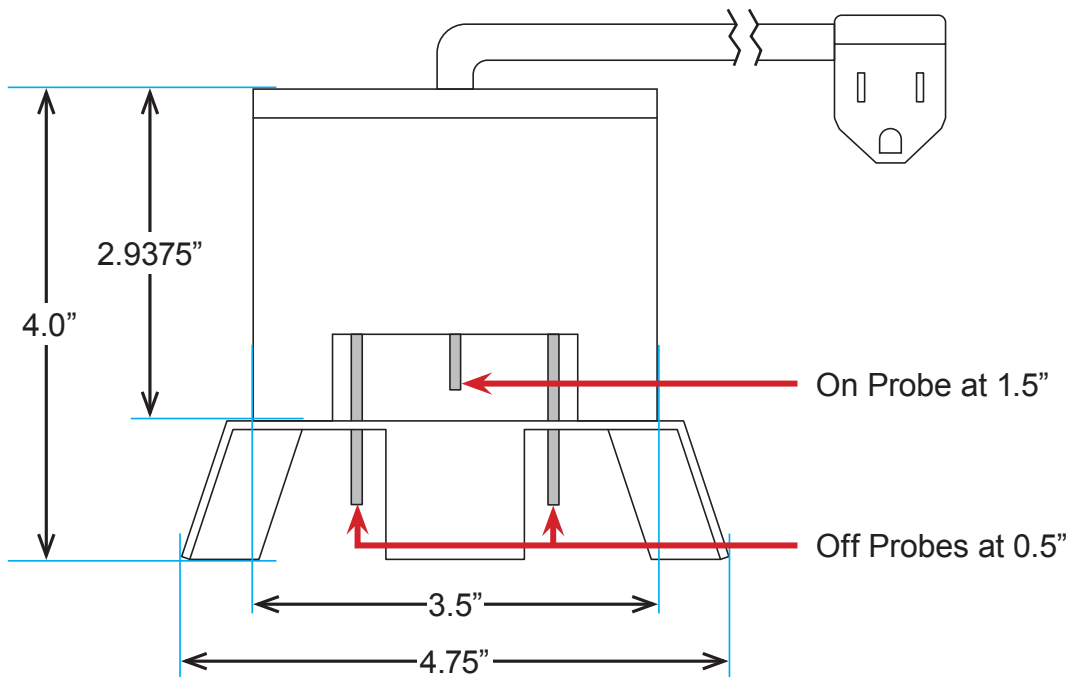
**Off Level**  
0.5"

**Electrical**  
120 VAC, 15 Amps

**Cord Material**  
SJE00W - 14 AWG

**Piggyback Plug**  
NEMA 5-15 PR

# MECHANICAL DRAWING



# ORDERING INFORMATION

PART NUMBER	DESCRIPTION
SLS-LSR32	Surface Level Switch, 32' Cord, 120 VAC Piggyback Plug, Lift Bracket
SLS-LSR50	Surface Level Switch, 50' Cord, 120 VAC Piggyback Plug, Lift Bracket