Surface Level Switch - LSC

Automate Utility / Floor Pumps

DESCRIPTION OF OPERATION

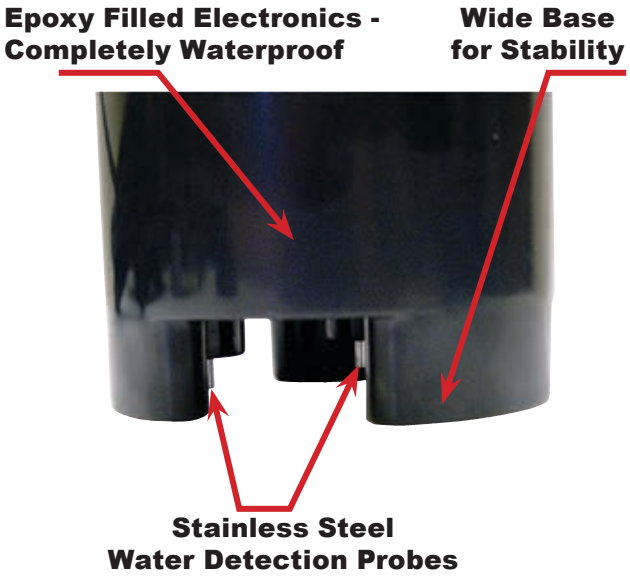
The Surface Level Switch is used to automate a utility/floor sucking pump. Set the Surface Level Switch on the floor and plug the power cord from the pump into the piggyback plug on the switch. Plug the piggyback plug into a standard 120 VAC wall outlet (the unit will also work on GFI outlets).

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 0.375” (⅜) liquid level and turn off at 0.125” (⅛). Leveling screws are provided and are optionally used for leveling or to slightly adjust the on and off liquid level set points. 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 LSC1.4S 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



Tsurumi Pump

1625 Fullerton Court, Glendale Heights, IL 60139 | Phone: (630) 793-0127 | Fax: (630) 793-0146 | www.tsurumipump.com

SPECIFICATIONS

Surface Level Switch

Housing Material
ABS Plastic

Probe Material
Stainless Steel

Voltage on Probe
12 VDC from Internal Class 2 Isolated Transformer

Electrical
120 VAC, 15 Amps

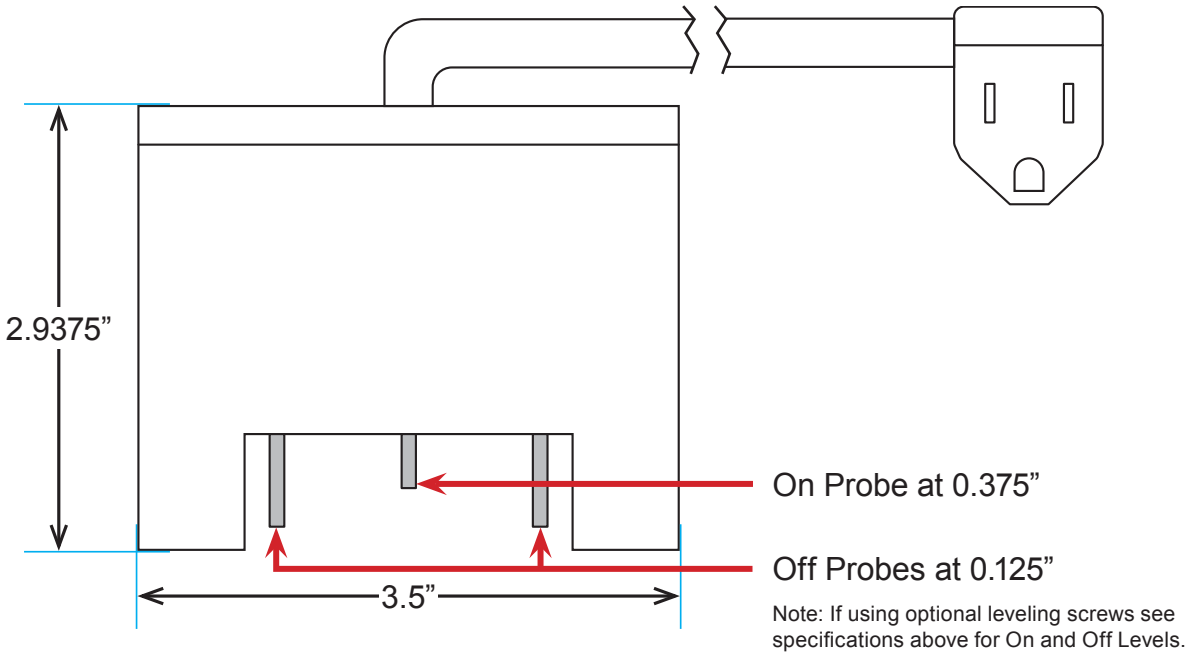
Cord Material
SJEOOW - 14 AWG

Piggyback Plug
NEMA 5-15 PR

On Level
0.375” No Screws Used
0.475” - 0.775” Adjustable (If using screws)

Off Level
0.125” No Screws Used
0.225” - 0.525” Adjustable (If using screws)

MECHANICAL DRAWING



Note: If using optional leveling screws see specifications above for On and Off Levels.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
SLS-LSC20	Surface Level Switch, 20’ Cord, 120 VAC Piggyback Plug
SLS-LSC50	Surface Level Switch, 50’ Cord, 120 VAC Piggyback Plug

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