

LevelGuard® Electronic Sump Pump Switch



High-Performance Pump Switch Technology

- Solid-state electronic design for non-sewage applications
- Redundant upper limit sensors for “fail-safe” reliability
- Outlasts competitive float switches 7 to 1
- Highly resistant to contaminant and mineral build-up
- Quick installation / Reduced maintenance
- Five (5) year warranty

The LevelGuard® Electronic Sump Pump Switch from TouchSensor introduces Field-Effect sensing technology to reliably detect the presence of aqueous liquids without direct contact or the use of any moving parts. LevelGuard offers solid-state control for residential pump and plumbing applications.

Electro-mechanical float or mercury-tilt switches have proven to be the weakest link in fluid management systems. LevelGuard eliminates the failure modes associated with these competing products, making it the preferred non-sewage pump control for home sump pump, irrigation, underground vault, wet-well or storm water installations.

Field-Effect sensing technology has been successfully used in a wide variety of consumer applications with over 200 million sensors deployed in industry since 1997. In

aqueous fluid detection applications, they have become the *de facto* standard in sensing technology for marine and recreational vehicle applications.

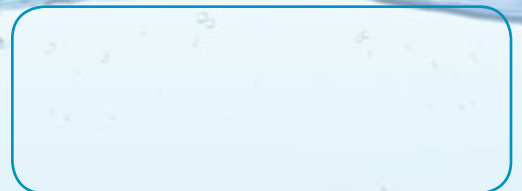
LevelGuard residential grade pump controls are Underwriters Laboratories listed and carry a 5 year manufacturers warranty.

Please visit

www.LevelGuardProducts.com/sump/

to learn more.

Presented by:





Field-Effect Sensor Technology for Fluid Detection

The LevelGuard electronic sump pump switch provides a solution for plumbing contractors and homeowners that need to eliminate sump pump switch failure. LevelGuard's proprietary solid-state design for fluid detection and pump switching has been tested to more than **1,500,000 cycles** without failure.

LevelGuard products are warranted for five (5) years.

Switch the Spec to Field-Effect!

Z24800A1Z

General Specifications

Part Number	Cord Length	Cord Type	Plug Type	Product Dimensions	Shipping Dimensions	Product Weight	Shipping Weight
Z24800A1Z	9 feet	SJTOW/14 gauge	Piggyback	2.4" x 1.1" x 10.1"	3.3" x 3.3" x 12.8"	1.8 lbs	2.1 lbs
Z24801A1Z	15 feet	SJTOW/14 gauge	Piggyback	2.4" x 1.1" x 10.1"	5" x 7.5" x 12.6"	2.5 lbs	2.8 lbs
Z2480AA1Z	30 feet	SJTOW/14 gauge	No plug (Pigtail)	2.4" x 1.1" x 10.1"	5" x 7.5" x 12.6"	4.0 lbs	4.3 lbs

Technical Specifications

Power specifications

AC Input	120v, 60 Hz (single phase)
Load Rating	<ul style="list-style-type: none"> • 12 A general purpose, 120 VAC • 1/2 hp (9.8 FLA, 58.8 LRA), 120 VAC • 72 VA pilot duty, 120 VAC

Fused Protection	30 Amps
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Operating Current	1.3 milliamps
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Mounting straps

Polypropylene Straps	5 each
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Agency Certifications

UL Listed (U.S. & Can)	File #E332036
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Patents

Field-Effect Sensor/LevelGuard	U.S. Patent Nos. 5594222, 6310611, 6320282, 7373817
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Performance Specifications

Fluid Control Range

Minimum differential	6.0" (150 mm)
Effective differential	8" to 9" (200 mm to 230 mm)

Operating Temperature Ranges

Ambient	32° to 122°F (0° to 50°C)
Liquid	32° to 122°F (0° to 50°C)
Storage	-40° to 185°F (-40° to 85°C)

Housing

Material	ABS Plastic
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Designations

LevelGuard Home Sump controls are designated for use in residential and commercial plumbing applications.

Media Types (NON-SEWAGE ONLY)

Aqueous solutions, ground water



is the market leader in solid-state sensor technology. Field-Effect technology is actively used in automotive, marine, appliance, industrial and many other safety-critical industry applications. TouchSensor holds more than 30 patents for its solid-state Field-Effect switching technology. Please visit TouchSensor.com to learn more.