

# THE SEA SWITCH TWO



## **SMART ELECTRONIC LEVEL SWITCH WITH NO MOVING PARTS**

The Sea Switch Two was designed and patented for all tank applications. The Sea Switch Two offers a reliable solution for liquid level detection and control for cargo, ballast, and storage tanks, without any moving parts.

The Sea Switch Two uses a fully static system that is based on the propagation of an acoustic wave into a metallic rod. A piezo-electric sensing element produces a wave along the rod.

As the liquid reaches the sensing element the oscillation stops and the alarm is activated.

The Sea Switch Two sensor detects high, high-high, or low level in any liquid with an alarm output given by a dry contact or current loop change 6-18 mA.

- Self-test built-in
- Fully static system – no moving parts
- Easy installation
- No calibration needed

The Sea Switch Two can be installed either horizontally or vertically.

### **Options:**

- On deck displays
- Pump shutdown

# **EMS**

ELECTRONIC MARINE  
SYSTEMS, INC.

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### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: -13°F to +160°F  
Product Temperature: -40°F to +302°F

### PHYSICAL CHARACTERISTICS

Size: 8" above deck  
Weight: 7 lbs.  
Material: Stainless Steel  
Probe Length: By tank depths

### ELECTRICAL CHARACTERISTICS

Input: 18 to 28 VDC  
Output: NO/NC dry contact or  
4-20 mA current loop  
Intrinsically Safe: EEx ia IIC T6

### TYPE APPROVALS

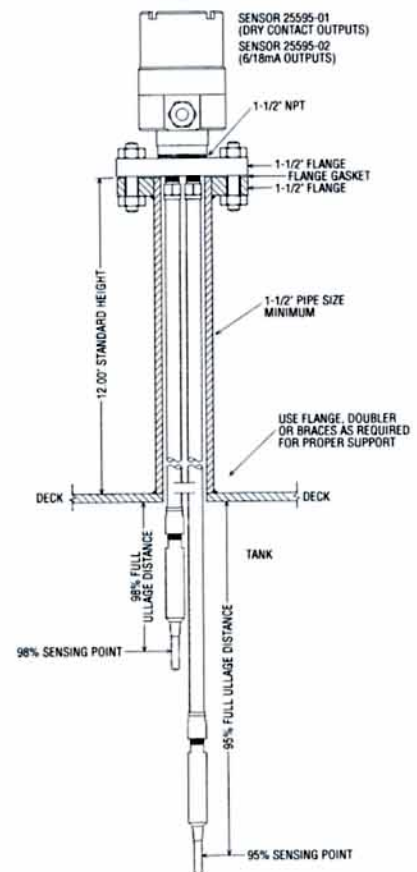
Bureau Veritas  
Det Norske Veritas  
Lloyds Register of Shipping  
American Bureau of Shipping  
Nippon Kokak  
International Maritime Organization  
NATO

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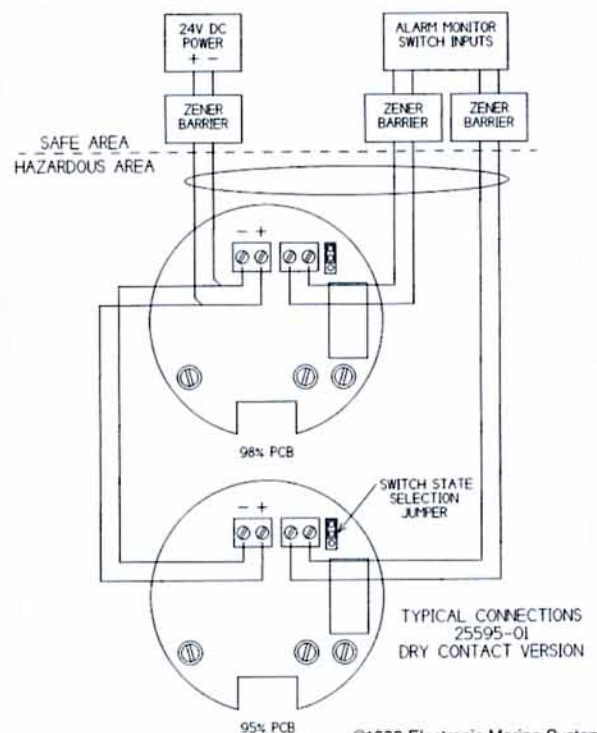
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Specs are subject to change without notice.

### MOUNTING SPECIFICATIONS



### ELECTRICAL INSTALLATION



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