



# WHEL-TECH

## 101FX DRY WELL FLOAT SWITCH

The 101FX is specifically designed for sensing flood conditions or water on the floor. It is particularly intended for sensing a level rise (flood) in the dry pit (equipment chamber) of an underground sewage pumping station. The switch's greatest asset in alarm and sensitive circuit applications is its sealed contact, which provides reliable operation after years of inactivity in the presence of moisture, temperature extremes, and other conditions. The switch is corrosion-resistant and virtually impervious to its environment. It is simple and reliable, requiring no calibration. It is easily convertible from "normally open" to "normally closed" output contact. Rather than a balloon-shaped float, the 101FX employs a cylindrical PBT (polybutylene terephthalate) float that rides loosely on a sealed guide tube. The PBT float is the switch's only moving part. The 101FX is typically used as a single alarm level sensing device in a sewage pumping station equipment chamber sump or in a process sump or water reservoir where clear water or similar liquids are present that would not foul the sliding float mechanism. Multiple 101FX Float Switches can be used to afford differential operation of pumps or valves.

### TYPICAL SPECIFICATIONS

A Model 101FX (B100) Dry Well Float Switch shall be furnished to automatically detect a (high/low) liquid level in the sump. A liquid rise of 3/8 of an inch from the rest position shall operate the float switch and shall reset when the liquid level drops 1/16 of an inch. The Float Switch junction box and mounting hardware shall meet NEMA 4X corrosion resistance requirements.

This float switch shall require no adjustments and need no calibration. Circuit operation under submergence, pressure, or following long-term inactivity shall be reliable. Installation shall be in accordance with project plans and manufacturers' instructions.

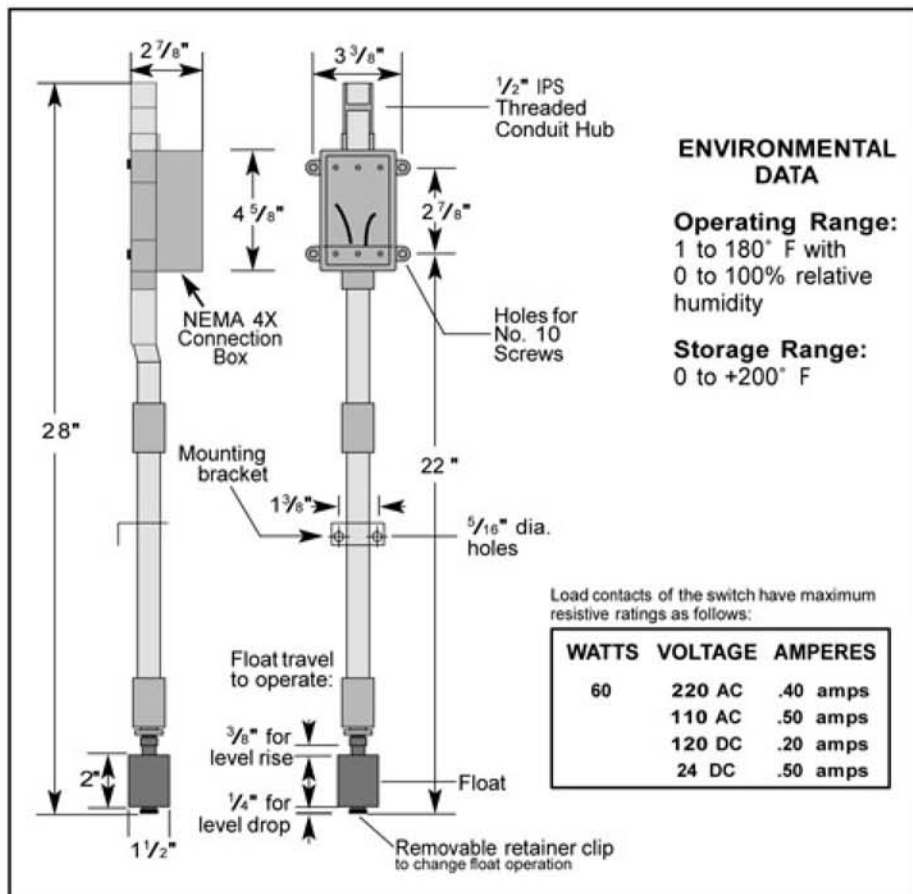


### 101FX Features In Brief

*Magnetically actuated, hermetically sealed, snap-action reed switch for low potential, low current, dry circuit applications.*

# 101FX DRY WELL FLOAT SWITCH

DESCRIPTION	PART NUMBER
101FX station flood/dry well float switch w/ NEMA 4X fiberglass junction box	



www

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