

101GX Dry Well Float Switch (B100)

SIEMENS

Part of the Siemens Control Systems family of switches, the 101GX 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 101GX 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 101GX 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 101GX Float Switches can be used to afford differential operation of pumps or valves.

TYPICAL SPECIFICATIONS

A Model 101GX (B100) Dry Well Float Switch shall be furnished to automatically detect a (high/low) liquid level in the sump. A liquid rise of $\frac{3}{8}$ of an inch (0.95 cm) from the rest position shall operate the float switch and shall reset when the liquid level drops $\frac{1}{16}$ of an inch (0.16 cm). The Float Switch junction box and mounting hardware shall meet NEMA 4X corrosion resistance requirements.

This float switch shall be as manufactured by Siemens Control Systems of St. Paul, Minnesota. It 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.

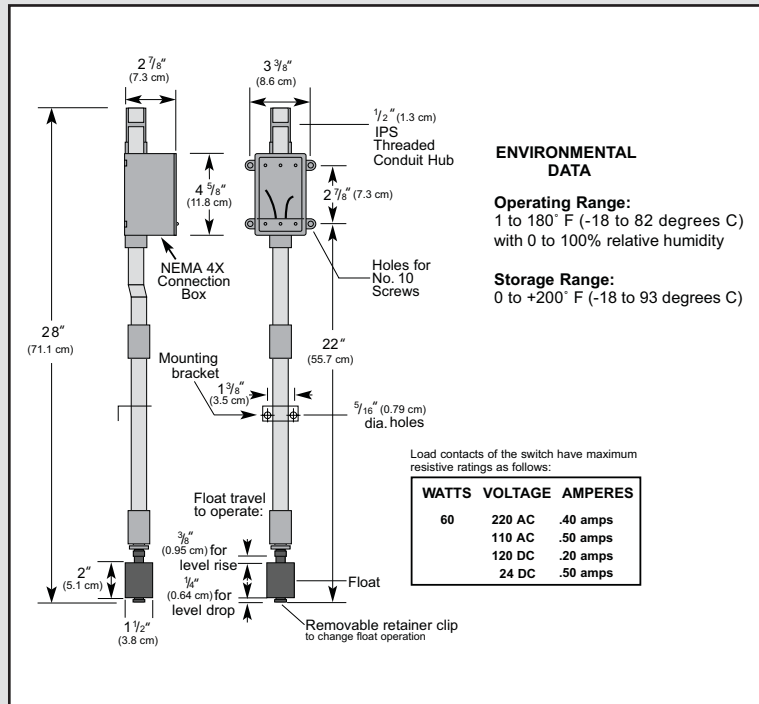


101GX Dry Well Float Switch (B100)

DESCRIPTION	PART NUMBER
101GX (B100) station flood/dry well float switch w/NEMA 4X fiberglass junction box	601106-10

COMPLETE CONTROL CAPABILITIES

Siemens Control Systems offers a single, high-quality source for everything from simple level sensors to telemetry systems to complex system control engineering and software. Based in St. Paul, Minnesota, Siemens Control Systems is part of the leading global provider of industrial, municipal and residential water and wastewater treatment systems, products and services. As a major manufacturer/integrator with an extensive selection of specialized product lines in the areas of SCADA and telemetry, power equipment integration, automation and measurement, Siemens Control Systems is uniquely positioned to provide cost effective, comprehensive solutions for water, wastewater, and process control and telemetry applications.



The information provided in this literature contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of the contract.

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