

LIQFLOW

Pressure Sewer Systems



The Environmentally Sealed Pressure Switch, or ESPS, is a highly dependable unitized level control designed specifically for use with standardized low pressure sewer packaged systems.

Design Features

- Pressure switch parts are protected from the basin environment with a exclusive sealed design.
- Slim, rigid column with NO moving parts. Unit is unaffected by solids, grease build up, or liquid swirling in basin.
- Compatible with standard Float Switch installation. Mounts easily in current engineered basins with a rail system using a heavy duty slide bracket.
- NO field adjustment required because operating levels are factory preset.
- Exclusive quick connect power cord seals tight and reduces strain.
- Double overflow protection with separate air bells for operating control and high level alarm.
- Self compensating design eliminates the need for external pressure relief tubes or bulky bladders.
- Closed valve protection with an internally mounted high temperature cut off switch.
- Save time and money! No control panel required with the Simplex Automatic Version.

ESPS Operational Features

- Automatic versions – Eliminate the need for expensive control panels. Operates at 240v 60Hz, and 220v 50Hz for both domestic and international applications.
- Control panel version – Will operate with standard 120v or reduced voltages.
- Mounting – The slide bracket allows for quick installation, mounting on either side of the guide rail and foolproof positioning.



Patent Pending



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Additional Features

- Versatile design available in three versions:
 - Simplex Manual, ESPS 100 Series
 - Duplex Manual, ESPS 200 Series
 - Simplex Automatic, ESPS 150 Series (NO control panel required)
- Exclusive quick connect power cord seals tight and reduces strain.
- Slide bracket allows for quick installation, mounting on either side of the guide rail and foolproof positioning.
- 100% compatible with traditionally Float switches installations
- Easily factory pre-wired into a new basin package.

ESPS Advantages

- No venting to atmosphere required
- Factory sealed units do not require any field assembly
- Corrosion resistant materials are not affected by sewer gases
- No mercury or mercury switches used in the construction
- Slim profile virtually eliminates failure associated with trash and grease build-up
- Exclusive quick connect power cord for easy installation and replacement

Materials of Construction

- Corrosion resistant CPVC body
- Buna N diaphragms
- Heavy duty cast iron slide mounting bracket, powder coated
- Stainless steel mounting bolts

Electrical Specifications

- Pressure switch(es): 240v 3A 50/60Hz, ESPS 100 & 200 Series
- Solid state relay: 240v 18A 50/60Hz, ESPS 150 Series
(Used on Simplex Automatic Version)



Top View



Bottom View



Quick Connect Power Cord



Mounted With Pipe Bracket