



**DELTA ENVIRONMENTAL<sup>®</sup>**  
DPC – Pressure Controls  
DFC – Float Controls  
**CONTROL PANELS FOR LOW PRESSURE SEWER**

# DELTA ENVIRONMENTAL®

## Control Panels for Low Pressure Sewer

### DPC Pressure Controls and DFC Float Controls

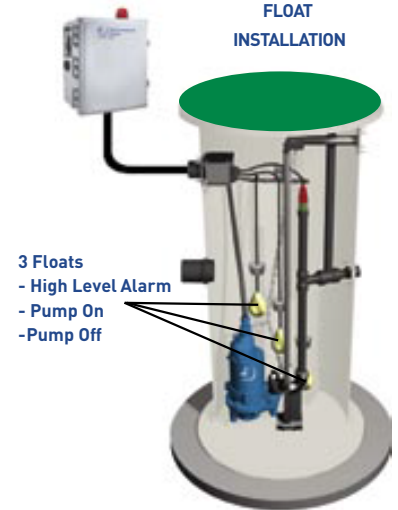
The Delta Environmental Products control panels are superior and offer greater flexibility to the contractor. The control panels are coupled with either float or pressure activation for submersible grinder pumps in low pressure sewer applications. The control panels are available in single and three phase configurations for simplex and duplex systems.

### DFC Float Controls

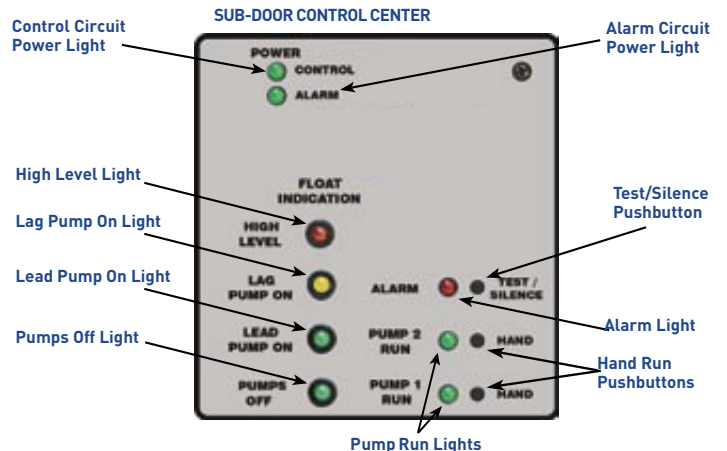
The DFC Float Controls are an innovative approach to today's pump control system requirements with standard features unmatched by most competitors. Through the use of a standard sub-door and raised back panel the DFC Float Controls offers a revolutionary design for housing common control panel features such as circuit breakers, start components, contactors and a terminal strip. While others ask you for more dollars to cover "options", DFC Float Controls provides many of the most requested items as standard equipment. Some of these standard features include lockable latches, a flashing red alarm light with an electronic horn, the innovative touch to silence pad, and a control circuit board all in a NEMA 4X enclosure. In addition to unsurpassed standard features, DFC Float Controls offers an exclusive control circuit board. Conveniently located on the sub-door, the float indication lights allow the user to see the status of each float. Available in simplex and duplex single phase to three phase.



TYPICAL SIMPLEX  
FLOAT  
INSTALLATION



Specifications	
Available in Simplex and Duplex	Duplex Includes alternator and lag pump time delay
Enclosure dimensions	12.5" x 12" x 7.5"
Overall dimensions	14.5" x 12" x 7.5"
Enclosure	Nema 4X with molded mounting feet
Alarm piezo	95 db with "Touch to Silence" circuitry
Float status lights	Displayed on Sub-Door
Flashing red alarm beacon	Provides 360° Visual Display
Weight	10.8 lbs.
25 amp "DP" heavy duty definite purpose contactors	
Nonconductive injection molded sub-door	
Blown fuse status lights	
cULus 508 Listed	
Requires three float switches for simplex, four float switches for duplex.	
Maximum 2 hp (12 FLA)	



# The Changing Force in Pressure Sewer

## DPC Pressure Controls

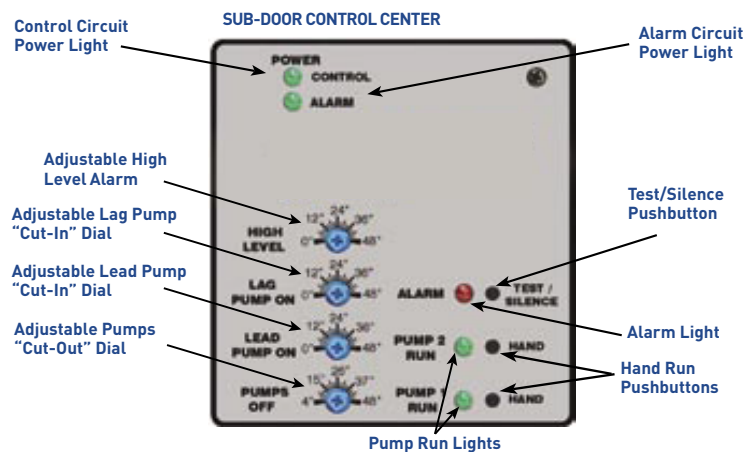
The superior liquid level DPC Pressure Controls allow the user to change all settings and adjustments outside confined space. The pressure bell is nonelectric and transmits a pressure only signal to the controller. No voltage from the level-sensing device enters the wet well. As the water level rises in the basin, pressure is created in the pressure bell sending an air pressure only signal to the controller. Installation of the pressure bell is as simple as mounting the bell and connecting it to the control panel using the provided 50' 1/4" polytubing. Through the use of a control circuit board conveniently located on the sub-door, this system allows the user to adjust all settings at precise levels in inches by simply turning a knob.



TYPICAL SIMPLEX  
PRESSURE  
INSTALLATION



Specifications	
Available in Simplex and Duplex	Duplex Includes alternator and lag pump time delay
Enclosure dimensions	12.5" x 12" x 7.5"
Overall dimensions	14.5" x 12" x 7.5"
Enclosure	Nema 4X with molded mounting feet
Alarm Piezo	95 db with "Touch to Silence" circuitry
Battery Back-Up	9 VDC for alarm horn
Flashing Red Alarm Beacon	Provides 360° Visual Display
Weight	10.8 lbs.
25 amp "DP" heavy duty definite purpose contactors	
Nonconductive injection molded sub-door	
Blown fuse status lights	
cULus 508 Listed	
Requires pressure bell and 50' of tubing.	
Maximum 2 hp (12 FLA)	



# Control System Features

## Standard Molded Sub-Door (Dead Front)

The DPC and DFC control panel has increased user safety through the use of a non-conductive molded polycarbonate inner door. This provides space savings and convenient operator controls while isolating the user from energized components.

## Inside Sub-Door

On the inside of the sub-door, DPC and DFC control panels have quick disconnect circuit boards for easy replacement and troubleshooting, spare fuses for alarm and control fuse replacement.

## Nonconductive Back Panel

Every DPC and DFC control panel comes standard with an injection molded back panel with raised platform for mounting circuit breakers, a heavy duty parallel ground lug, housing for contractors (rated 25 FLA) and elevated terminal strip for installer friendly field wiring.

## Audible Alarm Circuitry

DPC and DFC control panel come standard with an audible piezo alarm (95 db +-) and the exclusive side mounted "Touch to Silence" pad (patents pending). With this feature the user is able to silence the audible by simply touching the decal on the side of the enclosure.

## Standard Lockable Latches

High quality stainless steel lockable latches come standard for safe and secure operation indoors or outdoors.

## Standard Circuit Breakers

DPC and DFC control panel come standard with control and motor circuit breakers accessible through the sub-door.

## Durable NEMA 4X Enclosure

The enclosure is manufactured from durable polycarbonate material and is (c UL us) listed NEMA Type 4X rating as accepted by industry standards. It is intended for indoor or outdoor use and provides typical 4X protection against corrosion, windblown dust and rain, splashing and hose directed water while remaining undamaged by the formation of ice on the enclosure. In addition the door of the enclosure has the useful and unique ability to be removed simply by unsnapping from the hinges to allow better access for installation and service.

## Hand Run Buttons

The Delta Environmental control panels include push-to-run (HAND) pushbuttons for the motor starters output and a push-to-test (TEST) pushbutton for the alarm output accessible on the sub-door. The push-to-run (HAND) pushbuttons toggle their respective outputs off and on each time pushed under normal operation. However, to protect the pumps should the sump go below pump-off level, the HAND pushbuttons revert to momentary contact and must be held down to maintain its respective output on. This is a safety feature that keeps the pumps from running dry.

## Digital Display Center

With future expansion in mind, every Delta Environmental DPC control panel has a removable expansion board face plate to add features such as elapsed time meter, cycle counter, liquid level display in inches, time dosing applications, and alarm condition annunciation. Consult a Delta Environmental sales representative for additional information.

