

PRODUCT DATA SHEET

Delta HLA Plus Intelligent - Ground Water



Description

The Delta HLA Plus Intelligent is supplied with a Delta Level Float and is compatible with all Delta V3, V4 and V6 ground water/surface water pumping stations. Delta HLA Plus can also be retrofitted to any existing ground water/surface water pumping station.

The Delta HLA Plus 'Intelligent' is a highly advanced High-Water Level Alarm Monitoring System. The Delta Level Float transforms the Delta HLA Plus ('Smart' High-Water Level Alarm) into an 'Intelligent' High-Water Level Alarm, not only detecting when a high-water level occurs in a sump pump chamber, it also monitors sump pump activity – number of activation(s), and changes in sump pump activation(s) (both frequency and duration). This additional information allows for real time calculation of flow, volumes of discharge over given periods, changes in level of activity within the pumping station including decline in pump performances. For full features of the Delta HLA Plus 'Intelligent' Pump Station Monitoring Device, all devices are required to be registered for free on the Delta Pumps app.

The Delta HLA Plus Intelligent has both proactive and preventive functions. Real-time analysis of your pumping station enabling service, maintenance, or repair requirements to be detected and implemented at the earliest stage.

Please refer to Delta's Technical Guidance Notes on how to register a new Delta HLA Plus device(s) to Delta Pumps app.

Features

- Instant real-time monitoring to spot service failures before they make any impact
- Records frequency of sump pump activations
- Records duration of sump pump activations
- Records volume of water being evacuated from pumping station
- Records and monitors pump activities within pump stations
- Sends notification messages to users in real time:
 - if there is mains power outage,
 - when a high-water situation has been recorded
 - when a high-water level situation occurs
 - when a service or routine maintenance is due
 - when changes in pump activity occur (frequency and duration)
- Visual and audible displays on the HLA Plus Device
- Suitable for Domestic and Commercial Structures
- Can be retrofitted to existing groundwater or surface water pump station

Benefits

- Real-time streamline log analysis of pumping stations
- Instant communication during emergencies and other critical events
- Enhanced customer care
- Full visible log of all pumping station events – logged in real time
- A fully downloadable CSV history
- Delta Pumps App identifies multiple pump stations on one site
- Reduces risk of critical events
- Logged data allows for better maintenance and service planning of pumping stations
- Allows for Service intervals to be set at 3, 6, or 12 months
- No subscription fees for Monitoring and enhanced Services
- Data stored on integrated SD card

Product details

DMS 538



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Technical data

Delta HLA Plus

Power supply	230 V 50 Hz
Rated power	< 10 mA
Internal battery	3.6 V, 7 Ah
Sound alarm level	80 dB
Power cable length	1 m
Weight	640g
Enclosure material	ABS
Protection rating	IP54
Colour	Grey

Parts included

Item	Qty
Delta HLA Plus Control Unit	1
Mini float switch with 10 m cable	1
Delta Level Float with 10 m cable	1
Float shroud	1
Cable tie	2
16 mm IP68 cable gland	4
Water level float bracket	1
Stainless steel hose clamp	1

Volt-free contacts

The Delta HLA Plus features three volt-free (dry) contacts for connection building management systems.

They can be configured to Normally Open (NO) or Normally Closed (NC) depending on requirements.

- High level volt-free contact
- Power failure volt-free contact
- Service due volt-free contact

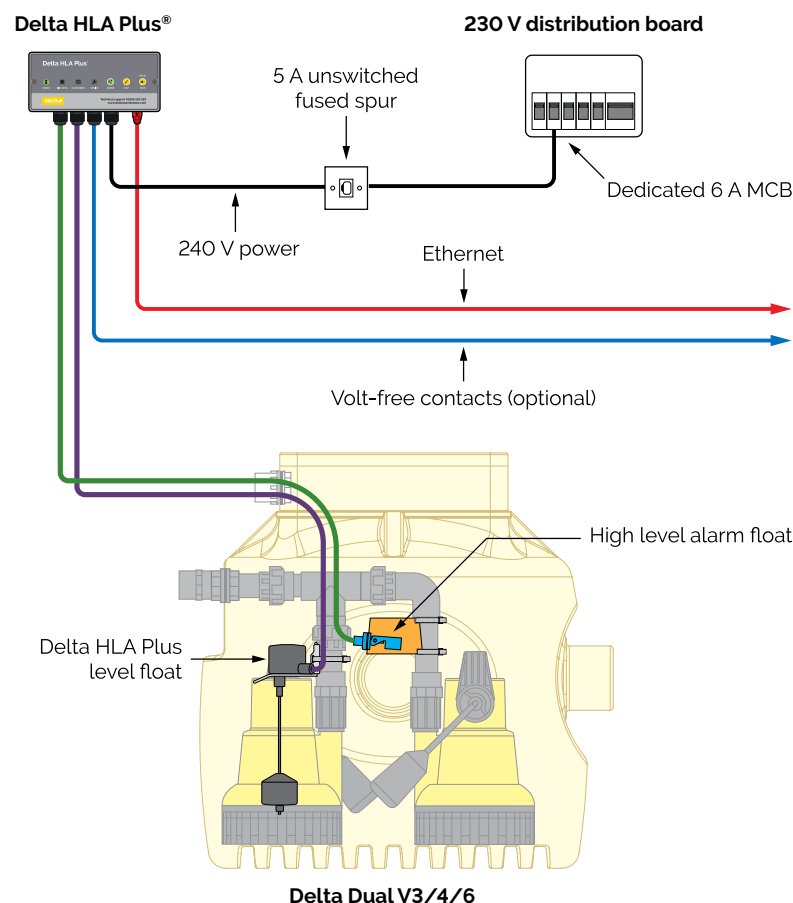
Specification

- NBS Specification R18 (Clause 310) Pumping Stations and Pressure Pipelines
- BS 8102:2022 Type C Drained Protection
- The Low Voltage Directive, EN61010:2010
- The EMC Directive EN55014:2006, A1 and EN55014-2:2015.

Associated products

- Delta V3 Packaged Pumping Station
- Delta V4 Packaged Pumping Station
- Delta V6 Packaged Pumping Station

Typical installation



Other information

All data and information contained in these Product/Technical Data Sheets is up-to-date and correct as at the date of issue. The information given is suggested as guidance and should only be used for evaluating your specific application. Delta Membrane Systems Limited cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. The information contained in these Product/Technical Data Sheets should not be considered a warranty, expressed, or implied, including but not limited to a warranty of merchantability or fitness for a particular purpose. In no event shall Delta Membrane Systems Limited be liable for any incidental or consequential damages resulting from the use, misuse, or inability to use the product. This exclusion applies regardless of whether such damages are sought based on breach of warranty, breach of contract, negligence, strict liability in tort, or any other legal theory. When in doubt, contact Delta's Technical Team on 01992 523 523.