

PRODUCT DATA SHEET

Delta HLA Plus - Ground Water



Description

The Delta HLA Plus is a smart High-Water Level Alarm and Monitoring System, capable of delivering real-time monitoring and notification services, for ground and surface water pumping stations.

Designed to put property owners in control - On any digital device, anywhere, at any time. For all important or time-sensitive notifications, the Delta HLA Plus allows property owners to engage in real-time with their pump stations using the Delta Pumps app. The Delta Pumps app offers owners an uncomplicated way to register HLA Plus devices. After registration of the Delta HLA Plus all monitoring and notification services are sent directly to the listed keyholders via text or email.

High-Water Level Alarms are designed to alert property owners when water levels in pump stations becomes too high and there is a risk of flooding.

The Delta HLA Plus can be retrofitted in any existing ground water or surface water pumping system. Please refer to Delta's Technical Guidance Notes on how to register a new Delta HLA Plus device(s).

Where pump stations are installed in high-risk areas, we recommend adding a Delta Level Float to enhance features on the Delta HLA Plus into an 'Intelligent' High-Water Level Alarm and Monitoring System, not only detecting when a high-water level occurs in a sump pump chamber, but also to monitors sump pump activation(s), and changes in sump pump activation(s) (both frequency and duration).]

Associated products

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

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.

Product details

DMS 531



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Features

- Provides smart alarm function for single or dual pump system with or without control panel
- Suitable for ground or surface water sump pumps
- Compatible with Wi-Fi or LAN/Ethernet connection
- Instant real-time monitoring to identify potential issues before they make any impact
- Notification messages to keyholders in real time on any digital device
 - 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)
- Float switch and 10 m cable supplied
- Colour coded LED facia and audible displays
- Modern, lightweight, and compact design
- Compatible with Delta Level Float

Benefits

- Instant real-time monitoring of ground and surface water pumping stations to identify potential issues before they make an impact
- Enables better planning of servicing and maintenance
- Instant communication during emergencies and other critical events
- Enhanced customer care
- Can be retrofitted to existing pump systems
- Delta Pumps App identifies multiple pump stations on one site
- Reduces risk of critical events
- A fully downloadable CSV* history
- Allows for service intervals to be set at 3, 6, or 12 months
- No additional subscription fees for Monitoring and Notification Services
- Data stored on SD integrated card

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

Health and safety requirements

Only qualified personnel should carry out the electrical installation in accordance with BS 7671 "Requirements for Electrical Installations. IET Wiring Regulations", and the Health and Safety at Work Act 1974.

Cable extensions

If cable extensions are required for the alarm, pump power cable or the float cable, a qualified electrical contractor must make all electrical connections. Suitable cable extension kits are available to order from Delta Membranes on 01992 523 523 between 8am and 5pm, Monday to Friday or by email at info@deltamembranes.com

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

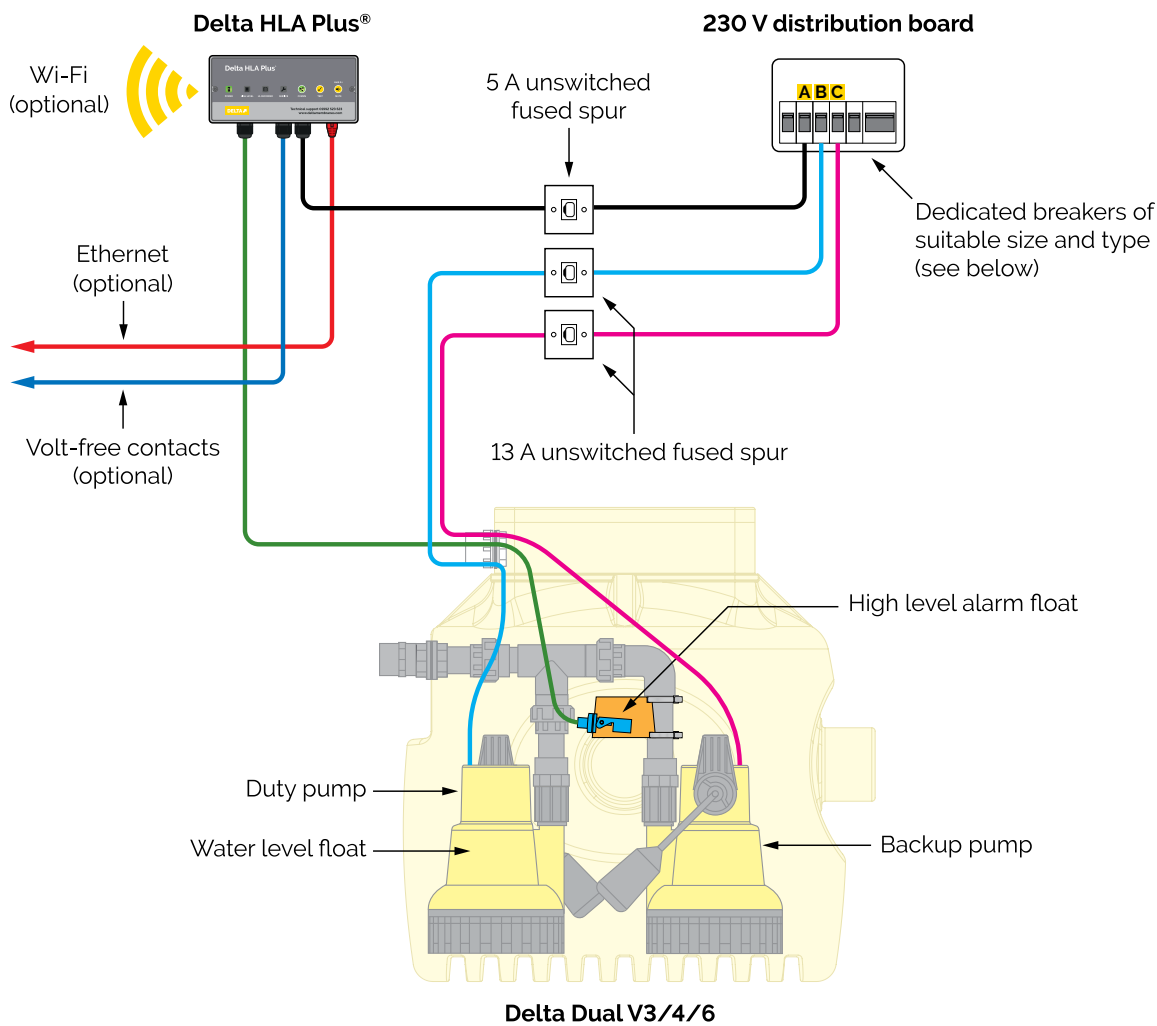
Parts included

Item	Qty
Delta HLA Plus Control Unit	1
Mini float switch with 10 m cable	1
Float shroud	1
Cable tie	2
16 mm IP68 cable gland	3

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Typical installation



BREAKER SPECIFICATION

	Description	Device type	Rating
A	Delta HLA Plus	MCB	6 A
B	Delta V3 pump	RCBO, Type C	6 A
	Delta V4/6 pump	RCBO, Type C	10 A
C	Delta V3 pump	RCBO, Type C	6 A
	Delta V4/6 pump	RCBO, Type C	10 A

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.