

Dredge Drive



Description:

This dredge drive is used on the Eureka Dredge Pump (dredger) or the Eureka Submersible Dredge Pump. The parameters of the dredge drive can show or controls the dredge process to the most efficient production. The input of the vacuum, discharge and depth, are standard applications. The water jet pressure, rotation speed, concentration measurement or flow speed are optional. These measurements calculate the optimal suction height above the sand and rotation speed. The touch screen display shows the dredge information and what to do when needed. It is even possible to control optional, the pump RPM and pump position.

This kind of dredge drive is also used for our dredgers and is easy to understand or to handle. The application is the screen on a frequency converter, when a hydraulic drive is applied, then a simple PLC should be used.

Implementation for:

Eureka Dredge Pump (EDP) and Eureka Submersible Dredge Pumps (ESDP) and its dredge tools like, water jet, cutter, auger or flat head. It can be used on a electric or hydraulic powered ESDP and mounted in a cabin or desk panel.

Input:

- Standard: Vacuumsensor 0 to 1 bar
- Standard: Discharge pipe sensor 0 to 10 bar
- Standard: Depth sensor 0 to 5 bar
- Optional: Pressure sensor (jet pump) 0 to 10 bar
- Optional: Speedometer of liquid (Dopler)
- Optional: Rotaryspeed sensor for RPM-pump
- Optional: Concentration measurement

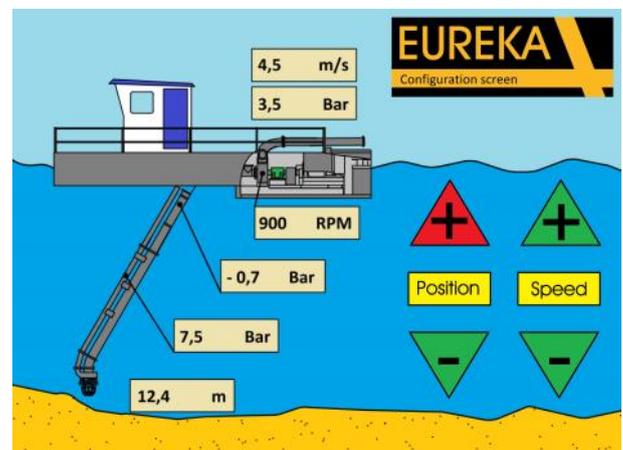
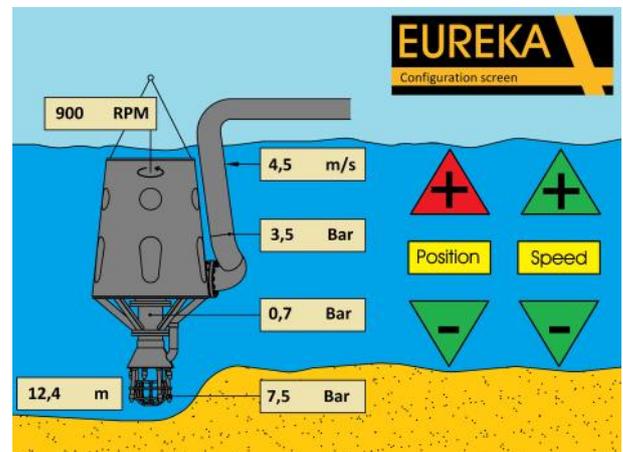
Output:

- Winch (position) up
- Winch (position) down
- Pump RPM (Speed) higher
- Pump RPM (Speed) lower

The output is controlled by 8 values from the input.

Technical specifications:

Display (WxH)	113 x 84 mm
Instrument dimensions (WxHxD)	184 x 144 x 50 mm
Input	8 pcs
Output	2 pcs
Source	PLC
Powered	12 Volt
Extra's	Sun protection screen
Isolation	IP 20



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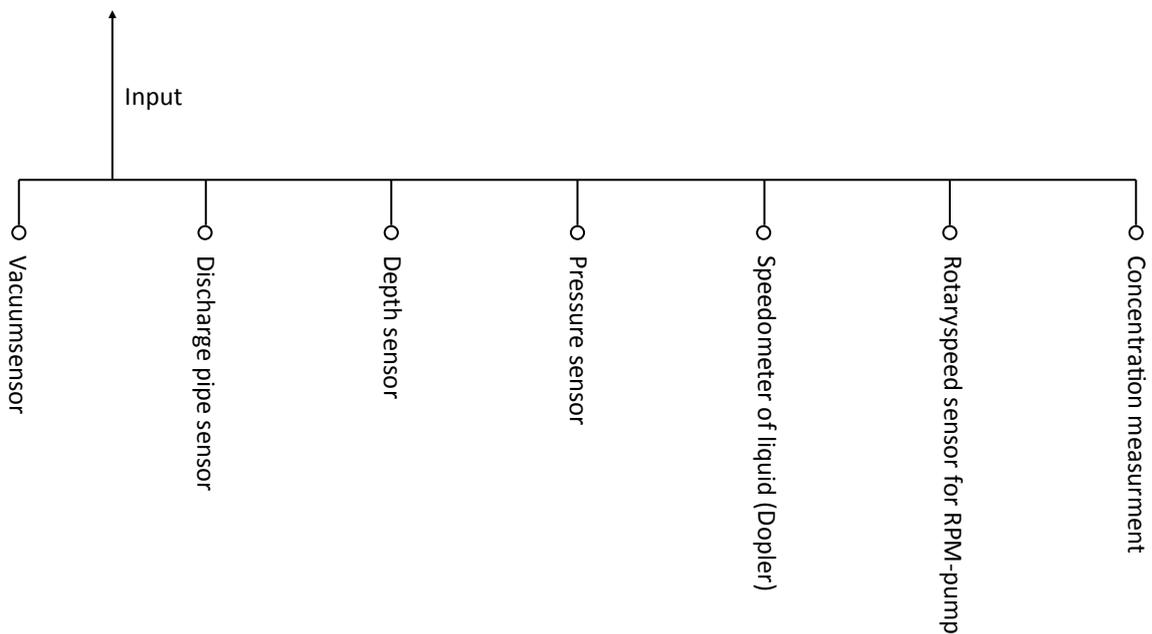
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Maximum Control for the Highest Efficiency



Output →

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- Winch (position) down
- Pump RPM (Speed) higher
- Pump RPM (Speed) lower



Metal Zodiac



Separation plant



Work pontoons



Conveyers

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