

DEDICATED AND RELIABLE LEVEL CONTROL



THE RIGHT CONTROLLER FOR YOUR APPLICATION

The SLC and DLC pump controllers are designed for level control, monitoring, and protection of Grundfos pumps in wastewater, water supply and drainage systems.

- SLC is a one pump controller
- DLC is a two pump controller

SLC and DLC are supplied as complete controllers incorporating motor protection relay and control unit. SLC and DLC enable the following level switch input:

1. SLC for one pump
 - High water alarm
 - Pump on
 - Pump off
2. DLC for two pumps
 - High water alarm
 - Duty pump on
 - Stand by pump on
 - Pump(s) off



DLC level control

SLC level control

PUMP AND MOTOR PROTECTION

Feature and benefits

The standard SLC and DLC controllers are UL508a Listed and incorporate:

- Automatic/Manual/Off toggle switch for each pump
- 95 db audio alarm
- Push-to-Silence Alarm button
- Normal/Silence audible alarm test switch
- Motor contactor per pump
- Motor circuit protector per pump
- Alarm contacts for high water level, pump failure and power failure
- High level alarm light
- Alternating relay (DLC only)
- Pump run light for each pump
- Pump failure light for each pump
- Terminal blocks
- Visual alarm, 7/8" red lens
- NEMA 4X enclosure



SLC and DLC options

- Battery backup with charger (for alarm only)
- High motor temperature or seal failure sensor and failure light
- Hour meter per pump
- Cycle counter per pump
- Intrinsically safe with UL698A listing
- Service rated main disconnected switch, pad lockable



Applications

SLC can be fitted with up to three level switches:

- Minimum: Stops the pumps
- Maximum: Starts the pumps
- Alarm (optional): Indicates high-water level or pump fault

DLC can be fitted with up to four level switches:

- Minimum: Stops both pumps
- Maximum 1: Starts one pump
- Maximum 2: Starts the other pump
- Alarm (optional): Indicates high-water level or pump fault
- Alarm can be positioned between start one and start two for applications that require a 100% standby operation

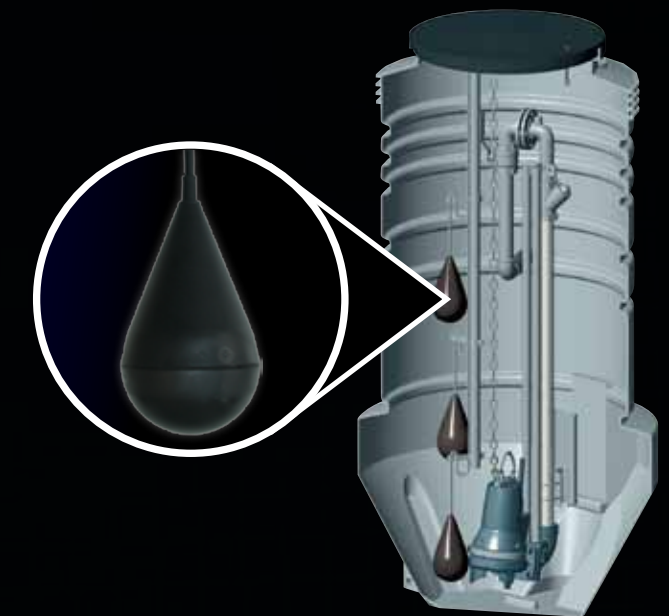


AUTOMATIC LEVEL CONTROL

SLC and DLC are available with level switches for automatic level control. Grundfos level switches are the non-mercury type.

The level switches are to be installed in the collecting tank, suspended at the desired height by its own 3-core cable. When the liquid reaches a certain level and the drop-shaped level switch is pointing upwards, the level switch contact will be closed and the pump will start.

When the level switch is pointing downwards, the level switch contact will be opened and the pump will stop.



SEE THE BIGGER PICTURE

Grundfos is a global leader within water handling technology. Our passion is to bring you all the products you require to create and operate pump systems that combine reliability, cost-efficiency and innovation. Our products are for use in water supply and wastewater infrastructure on any scale.

Grundfos has a full line of products and systems for the intake, treatment and distribution of drinking water and for the transport and treatment of wastewater. We also offer expertise and industry insight that can increase reliability and reduce lifecycle costs for water utilities.

Key product areas include:



Submersible pumps



Surface pumps



Sewage pumps



Mixers, flowmakers & recirculation pumps



Pumping stations



Monitoring & controls



Dosing & disinfection



Aeration equipment

Our products are the result of decades of engineering expertise. Supported by a worldwide service network. Visit grundfos.us for more.

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