Reliable level controller for **correct operation and protection** of your pumps stations

Typical applications are pits with one (LC) or two (LCD) pumps in commercial buildings, private homes and municipal wastewater mains.

All LC/LCD controllers feature a control panel with switch and protection gear. They are designed especially for Grundfos pump systems, ensuring a perfect match.

- **LC/LCD 107** range, operated by up to three air level bells
- **LC/LCD 108** range, operated by up to four float switches
- **LC/LCD 110** range, operated by up to five electrodes

All are excellent for up to 11 kW direct on-line start motors. The LC/LCD range can also be supplied with an integrated star-delta starter for applications requiring larger motors, up to 30 kW.

The LC/LCD series comes with a comprehensive accessory list, including an SMS modem option. In an alarm situation, the SMS modem option sends a text message to your mobile phone. Operating data for each pump, such as running hours and starts, can be retrieved to your mobile phone by sending an SMS to the controller.



UNIQUE FEATURES

- **Automatic alternating operation (LCD models)**
- **Automatic test run**
- **Water hammer protection**
- **Automatic alarm reset and restart (if required)**
- **Liquid level indication**
- **High-level alarm**
- **Motor overload protection relay**
- **Protection against motor overheating via input to PTC /thermal switch**
- **Battery backup**
- **Alarm protection**



Modular Controls



Dedicated Controls



LC/LCD Level Controls

GRUNDFOS **LC/LCD LEVEL CONTROLLERS**
FOR PRESSURISED PUMPING STATIONS

BE > THINK > INNOVATE >

GRUNDFOS

The LC/LCD range offers a comprehensive range of control and monitoring solutions. The functionalities available with LC/LCD are listed below. These are also standard features for the more advanced Grundfos Dedicated Controls and Modular Controls ranges.

CONTROL FUNCTIONS	
Emptying function	Secure sewage transportation
Pump start order alternation	Ensure even use of each pump
Parallel running of both pumps on second start level	Secure maximum pump capacity
Pump start and stop delays	Avoid water hammer, mains supply protection
Anti-seizing	Protection corrosion effect

MONITORING FUNCTIONS	
Starts per pump, daily and cumulative	Verify the correct operation of the duty/stand-by alternation
Operating hours per pump, daily and cumulative	Verify the correct design of the pumping station

ALARM FUNCTIONS	
High water level	Detect and warn of overflow
Pump circuit failed	Klixon, moisture switch, thermal switch, insulation

COMMUNICATION CAPABILITIES FOR LC/LCD	
Modem support	
GSM modem SMS transmit & receive	

A wide range of accessories is available with LC/LCD, such as signal lamp, acoustic signal, external main switch and battery back-up.



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