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# SAFE AND RELIABLE LEVEL CONTROL





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## SAFE AND RELIABLE LEVEL CONTROL

The LC/LCD series of level controllers are self-managing systems that ensure correct operation and protection of your pumping stations. Easy to install and operate, the control panel is designed especially for Grundfos pump systems.

Furthermore, the addition of an optional SMS module means the controller can communicate directly with your mobile phone in an alarm situation, enabling you to respond swiftly and effectively.



For full details on your options, go online. Everything you need to know is there. Begin at: [grundfos.com/water-utility](http://grundfos.com/water-utility)



## THE RIGHT CONTROLLER FOR YOUR APPLICATION

Perfect both for drainage pumps and sewage pumps, typical applications for the LC/LCD series are pumping stations with one or two pumps in commercial buildings and municipal wastewater mains.



In addition, the LC/LCD series is ideal for multilift applications, for example from basements in private homes and other domestic applications.



## FEATURE-RICH AND MODULAR CONSTRUCTION



The LC/LCD series is available with three different level control technologies for single or dual pump operation, depending on your required application:

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

Reliable and correct monitoring of wastewater levels is of course vital for operational reliability. The LC/LCD series is rich in features for easy management of your pumping stations:

- Automatic alternating operation – The LCD series automatically distributes operating hours evenly between the two pumps, increasing reliability and lengthening service intervals.
- Water hammer protection – If two pumps are running, this feature will prevent them stopping simultaneously, avoiding potential damage to pipes.
- Alarm protection – General alarms and comprehensive alarms reduce the risk of time-consuming and expensive delays, when an urgent response is required. Alarms can be for high wastewater levels, dry running, power supply events and system failures.
- Protection circuits – Motor overload protection and overheating relays ensure that the risk of potential damage to pumps is reduced substantially.

In addition, the modular construction allows easy integration from a comprehensive accessory list, including the SMS module, signal lamp, acoustic signal, external main switch and a battery back-up.

### Communicates with you

Direct communication from your pumping stations to your mobile phone ensures that you can respond quickly to an alarm situation. This is done using the optional SMS module, which acts as a time recorder for the pumps when integrated into the LC/LCD controller. Programming the SMS module requires no more than an ordinary mobile phone with text messaging.

In an alarm situation, you will receive a text message such as 'high water alarm' or 'general alarm'. Operating data for each pump, such as running hours and starts, can also be retrieved to your mobile phone by sending an SMS to the controller.

With its own battery, the SMS module can also send alarms in the event of power failure.

### Save time and reduce costs

In addition to safe and reliable level control, the SMS module ensures that the LC/LCD level controller saves you time and reduces costs. Furthermore, maintenance visits can be scheduled for maximum efficiency.



## 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.com/water-utility](http://grundfos.com/water-utility) for more.

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