

# LevCon™ Level Controller

Set Point Controller for Monitoring Water Level and Controlling Two Pumps



## Description

The LevCon™ set point level controller is a self contained microprocessor-controlled system capable of monitoring water levels and automatically controlling two pumps. Among LevCon's impressive list of features are: automatic alternation; four level set points; monitoring high/low levels; pump run status; seal failure; over temperature; simulation mode; and datalogging of pump run times, cycles, and alarm events.

### Versatile Inputs

The versatile LevCon™ controller has 10 discrete (contact closure) input channels, which may be used for pump status monitoring and backup float switch control inputs. LevCon's high resolution 4-20 mA analog input channel provides for submersible pressure sensors, ultrasonic and radar transmitters, and other analog level sensing devices.

### Capable Outputs

LevCon's six relay outputs provide alternation and lead/lag functions for two pumps, as well as a number of outputs for high/low level alarms, pump status alarms, and even control for chemical feed pumps or other systems.

### Easy User Interface

The easy to use LevCon™ user interface is equipped with a keypad and a 2-line by 16 character LCD display for level, pump status monitoring, and operation set up. A simulation mode allows you to check all of your control and alarm functions without having to manually cycle your pumps or wait for the levels to change.

### Powerful Logging Function

The LevCon™ features an easy to use datalogger that records pump run times and operating cycles, level alarms, pump over temperature, and seal fail alarms. The logged information may be retrieved with a few key strokes and viewed on the display—there's no need to connect a computer or other device.

### Flexible Communications

The LevCon™ has a serial port that allows communications between the LevCon and a PC, directly or via a dialup, cell based, or radio modem. The LevCon™ also supports GSM communications, which enables SMS messages containing text and variable data to be communicated to and from 6 phone numbers with up to 1K of user-defined messages. MODBUS master/slave protocol is also supported.

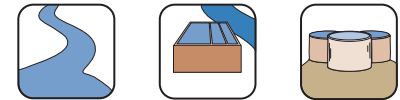
## Specifications

Controller Type	Alternating level controller with multiple I/O
Analog Input	Scalable 4-20 mA, 0.1% resolution w/averaging
Discrete Inputs	10 pnp/npn, 12/24 VDC
Relay Outputs	6 relay outputs, each rated 5A @ 250 VAC
Display	16 character x 2-line LCD w/backlight
Keypad	15 sealed membrane keys, including 14 programmable keys
Clock	Real-time clock functions (date and time)
Communications	Serial, modem
Power	12-24 VDC
Enclosure	1/4 DIN, NEMA 4X front
Mounting	DIN rail (35mm) or panel mount
Dimensions	3.78 x 3.78 x 2.52" (96 x 96 x 64mm)
Optional Enclosure Dimensions	12 x 10 x 6" (30 x 25 x 15 cm)
Certifications	UL/cUL Listed

## Features

- Monitors high and low water levels
- Accepts float switch and level transmitter inputs
- Controls two pumps with alternation and lead/lag functions
- Provides outputs for external alarms and notification
- Logs pump run times, cycles, and alarm events
- Serial port for modem communications

## Applications



Ideal for monitoring water levels and controlling pumps for a variety of environmental, water, and wastewater applications, including lift stations, clear wells, pump and valve control, and more.

## Ordering & Options

### Level Controller

Order No.	Description
LevCon	Liquid Level Controller

\* Please note that the LevCon liquid level controller will not work correctly without being connected to a 4-20mA sensor input.

### Accessories

Order No.	Description
PS5R-SC24	24 VDC Power Supply
WA170	Low Voltage Float Switch
WA150-30	Float Control Switch w/30' cable
WL400-015-025	Level Sensor, 0-15' range, 25' cable
WL430-034	Wastewater Level Sensor, 34' cable
FE1100	Enclosure with 12V Power Supply and Cord
FE1150	Enclosure with 12V Power Supply, No Cord



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