

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.

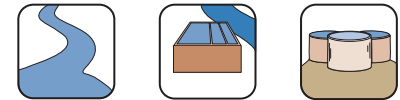
Specifications

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

Regional Distributor



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