

LevCon™ Level Controller

Set Point Controller for Monitoring Water Level and Controlling Two Pumps



Description

Two versions

The versatile LevCon-SP set point liquid level controllers provide up to 6 user configurable relay outputs. Each relay has an ON and OFF level, making it perfect for many liquid level control applications. The LevCon-SP may be used for on/off control of pumps, valves, chemical feed systems and alarms.

The LevCon-LS lift station liquid level controller provides an impressive list of features including: automatic alternation, 2 pump control outputs, 2 high/low level alarms, pump call to run status, simulation mode, and data logging of pump run times/cycles for each pump. At any time you can scroll through up to 7 days of pump run times and cycle events for each pump. The LS model is for pump down applications only and comes with the 4 relay functions preprogrammed for quick and easy setup.

Liquid Level Controller Inputs and Outputs

The liquid level controllers high resolution 4-20mA analog input channels provide for submersible pressure sensors, ultrasonic and radar transmitters, and other analog level sensing devices. NOTE: A 4-20mA level sensor must be connected to the liquid level controller for it to work properly. The LevCon-SP controller's 6 relay outputs are completely user configurable. The LevCon-LS lift station controller's 6 relays are preprogrammed for one of four modes to 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 some other system.

Liquid Level Controller User Interface

Both versions of the liquid level controllers feature an easy user interface with a keypad and a bright 2-line by 16 character LCD display for level, pump status monitoring and operation set up. Both LevCon™ controllers have a simulation mode that allows you to check all your control and alarm functions without having to manually cycle your pumps or wait for the levels to change. The controllers have user selectable units that allow you to display the level in: inches, feet, centimeters, meters or no unit (blank).

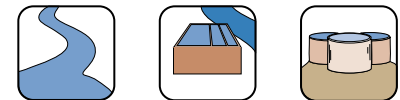
Specifications

Controller Type	Microprocessor based level monitor/controller
Analog Input	4-20mA, scaleable span
Display	16 character x 2-line LCD w/backlight
Keypad	15 sealed membrane keys
Relay Outputs	Up to 6 relay outputs, each rated 5A @ 250 VAC
Relay Functions	LS version: Four: 0 = pump 1, 1 = pump 2, 2 = low alarm, 3 = hi alarm Preprogrammed functions: pump down, lead/lag/alternation SP version: Six: user configurable for on/off functions
Clock	RealTime clock functions (date and time)
Power	20.4-28.8 VDC
Enclosure	¼ DIN, IP65 front
Mounting	DIN rail (35mm) or panel mount (¼ DIN)
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

- Two versions to meet any level monitoring & control need
- Accepts most 4-20mA level transmitters
- LS version controls 2 pumps with alternation and lead/lag functions
- SP version provides 6 configurable relay outputs
- Logs pump run times, cycles and alarm events (LS version)

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	Price
LevCon-SP	Set Point Controller	\$650.00
LevCon-LS	Lift Station Controller	\$650.00

Accessories

Order No.	Description	Price
PS5R-SC24	24 VDC Power Supply	\$110.00
WL400-015-025	Level Sensor, 0-15' range, 25' cable, see page 6	\$25.00
WL430-034	Wastewater Level Sensor, 34' cable, see page 9	\$95.00
FE1100	Enclosure with 12V Power Supply and Cord	\$385.00
FE1150	Enclosure with 12V Power Supply, No Cord	\$355.00



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