

Application



The general purpose level controller displays engineering units with four 4-20 mA continuous level sensor inputs and 6 programmable relays. Select from one of three run configurations:

- 1) Multi-tank with 4 level sensor inputs and 4 relays
- 2) Pump control with 1 level sensor input and 6 relays for lift stations in simplex (one pump) or duplex (two pumps) level control modes
- 3) Differential level with 2 level sensor inputs and 4 relays for municipal screen or rake control

Relays can be configured on a single set point (high level alarm or low level alarm) or latched on two set points for automatic fill or empty pump or valve control with selectable time delay. The graphic LCD display indicates span and relay status for each input channel. An optional MicroSD card enables data-logging storage and retrieval.



Features

- Multi-tank controller with three run mode configurations
- Easy configuration via the push button display module
- Graphic LCD display indicates channel span and relay status
- DIN enclosure with NEMA 4X faceplate and shallow case
- Easy data logging and retrieval via optional MicroSD card
- Simulation mode for configuration testing and troubleshooting

Key Benefits

- Get PLC performance in a simple to use controller
- Choose multi-tank, differential or pump controller modes of operation
- Simple HMI makes configuration quick and easy

Compatible Products

EchoSonic® II
Ultrasonic Level Transmitter



EchoPod®
Ultrasonic Level Transmitter



EchoSpan®
Ultrasonic Level Transmitter



EchoTouch®
Ultrasonic Level Transmitter



FloaTek™
Float Level Transmitter



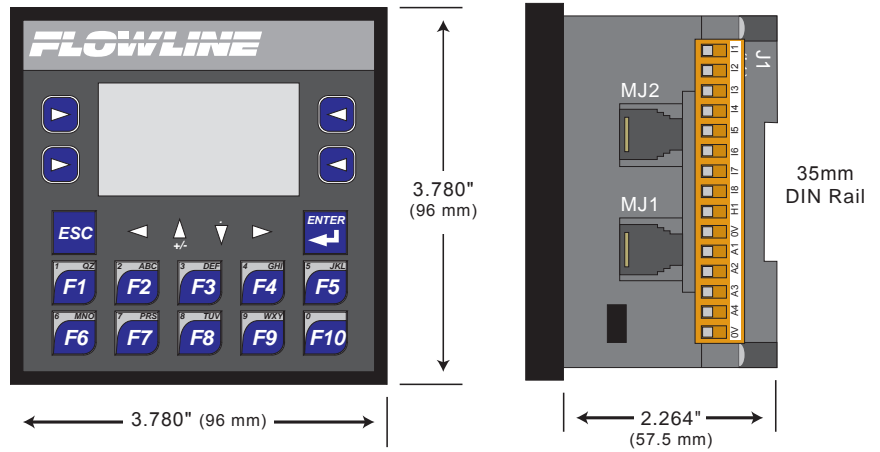
DeltaSpan™
Pressure Level Transmitter



Specifications

Display type: LCD, graphic
 Display pixels: 128 x 64
 Display units: Engineering
 Display output: 0 to 999999
 LCD indication: Relay status
 Configuration: Push button
 Backlight: Yes
 Memory: Non-volatile
 Opt. memory: MicroSD card (up to 1 GB)
 Linearization: Tank shapes
 Sensor inputs: -1001: (4) 4-20 mA
 -2001: (2) 4-20 mA
 Supply voltage: 10-30 VDC
 Contact type: -1001: 6 SPST relays
 -2001: No relays
 Consumption: 130 @ 24 VDC
 Contact rating: 3A @ 30 VDC or 250 VAC
 resistance load (-1001 only)
 Repeater output: (2) 4-20 mA, 24 VDC
 (-2001 only)
 Ambient temp.: F: 32° to 122°
 C: 0° to 50°
 Weight: 12.5 oz (0.354 kg)
 Enclosure type: 1/4 DIN, panel mount
 with 35mm DIN rail
 Enclosure rating: NEMA 4X (IP65) faceplate
 Enclosure mat.: Polycarbonate
 Classification: General purpose
 Compliance: CE
 Approvals: cULus

Dimensions



Accessories

For enhanced flexibility and performance, use the below recommended accessories.



P/N	Description
AC-DC Sensor & Indicator Power Supply	
LC95-1001	100-240 VAC, 24 VDC @ 0.6A, 35mm Rail



Expansion Cards
Optional MicroSD cards are available from electronic retailers. Expandable up to 1 GB.

Ordering

LI90-001

Sensor inputs / outputs (1) (2)

- 1 4 inputs / 6 relays
- 2 2 inputs / 2 repeaters

Notes

- 1) Optional MicroSD cards are available from electronic retailers.
- 2) For external loop power, order the LC95-1001 (120-240 VAC) power supply (24 VDC @ 0.60A).