

Application



The general purpose controller provides single tank level indication with 2 relays, 1-3 set points and an isolated analog repeater. Relay 1 is configurable on a single set point. Relay 2 can be configured on a single set point or latched on two set points for automatic fill or empty control. Package the controller with any of our level transmitters. The NEMA 4X polycarbonate enclosure is a great choice for field mount installations and comes complete with a DIN rail mounting kit.



Features

- ✓ 3.5 digit LED display indicates level in custom engineering units
- ✓ Fail-safe relay control of pumps or valves with 0-60 second delay
- ✓ Easy set up with push button calibration for span, display and relay set points
- ✓ 35 mm DIN rail mount polypropylene enclosure with removable terminal strips
- ✓ Invert switch changes relay state from NO to NC without rewiring

Key Benefits

- ✓ Simple controller for operating 2 alarms or 1 auto fill/empty with alarm
- ✓ Bar graph provides instant confirmation of transmitter's operational performance
- ✓ Lock-out feature prevents inadvertent button pushing from changing settings

Compatible Products

EchoSonic® II
Ultrasonic Level Transmitter



EchoPod®
Ultrasonic Level Transmitter



EchoSpan®
Ultrasonic Level Transmitter



EchoTouch®
Ultrasonic Level Transmitter



FloaTek™
Float Level Transmitter



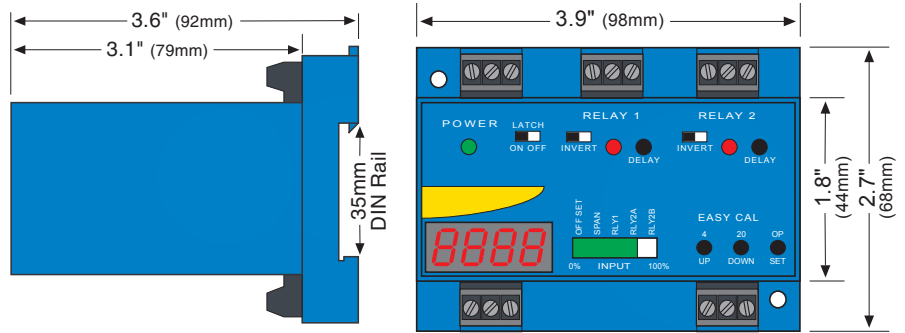
DeltaSpan™
Pressure Level Transmitter



Specifications

Display type:	LED, 3.5 digit
Display units:	Engineering
Display output:	0 to 999
LED indication:	Power & relay
LED bar graph:	Span and set points
Memory:	Non-volatile
Security:	Set point lock out
Configuration:	Push button
Alarm indication:	Amber: < 4mA Red: > 20 mA
Sensor input:	(1) 4-20 mA
Supply voltage:	Selectable 120 / 240 VAC 50-60 Hz
Sensor supply:	24 VDC @ 1.5 watts
Loop power:	4-20 mA, 18 VDC
Consumption:	5 watts maximum
Contact type:	(2) SPDT relays (one latching)
Contact rating:	250 VAC @ 10A
Contact output:	Selectable NO / NC
Contact latch:	Selectable ON / OFF
Contact delay:	0-60 seconds
Repeater output:	4-20 mA, 12-36 VDC
Ambient temp.:	F: -40° to 158° C: -40° to 70°
Enclosure type:	35mm DIN rail (EN 50 022)
Enclosure mat.:	PP, UL94VO
Classification:	General purpose
Compliance:	CE

Dimensions



Accessories

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



P/N	Description
Single & Two Controller NEMA Box	
LM94-1001	Single Controller, Windowed, 35mm Rail, Polycarbonate
LM95-1001	Two Controller, Windowed, 35mm Rail, Polycarbonate

Ordering

LC52-1001 ⁽¹⁾

Notes

- 1) For field mount installation in a NEMA 4X windowed polycarbonate box, order the LM94-1001 (single controller) or the LM95-1001 (two controller) enclosure.