

# DataView™ LI55

Level Controller



## Application

The general purpose AC or DC powered level controller displays engineering units with one 4-20 mA level transmitter input and is offered in three configurations with optional 2 or 4 programmable relays, and an isolated 4-20 mA repeater. Each relay 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 in simplex (one pump or valve) or duplex (two pumps) level control modes.



## Features

- LED main display and secondary unit display with relay status
- Easy configuration via the push button display module
- DIN enclosure with NEMA 4X faceplate and shallow case
- Isolated power supply to sensor with optional 4-20 mA repeater
- Non-volatile memory with security password protection
- 32-point linearization function for volumetric measurement

## Key Benefits

- Capable of displaying units in gallons, liters, inches, feet, meters or percent of liquid
- Add 2 or 4 relays to control tank pumps, valves or alarms
- Add repeater output to repeat the 4-20 mA signal to another PLC, SCADA or display
- Available in AC or DC powered configurations

## Compatible Products



**LG10/LG11**

**ECHOWAVE®**

Guided Wave Level Transmitter



**LU28**

**ECHOSONIC®**

Ultrasonic Level Transmitter



**DL14**

**ECHOPOD®**

Ultrasonic Level Transmitter



**LU83**

**ECHOSPAN®**

Ultrasonic Level Transmitter



**LR15**

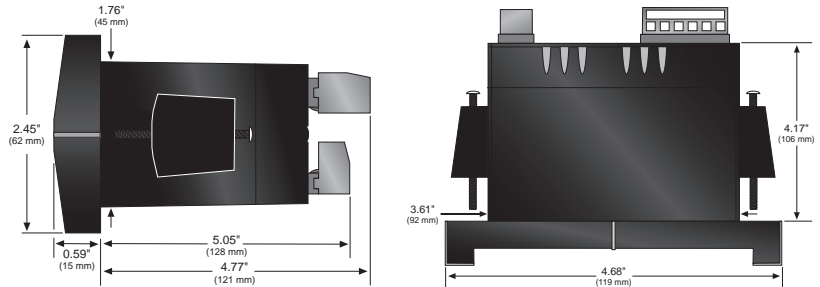
**ECHOPULSE®**

Pulse Radar Level Transmitter

## Specifications

<b>Display type:</b>	LED, 6-digit
<b>Display units:</b>	Engineering
<b>Display output:</b>	-99999 to 999999
<b>Display height:</b>	Main: 0.6" (15mm) Secondary: 0.46" (12mm)
<b>Decimal point:</b>	Floating
<b>LED indication:</b>	Relay status
<b>Configuration:</b>	Push button
<b>Memory:</b>	Non-volatile
<b>Linearization:</b>	2-32 point function
<b>Sensor input:</b>	(1) 4-20 mA or 0-10 VDC
<b>Supply voltage:</b>	-1__1: 85-265 VAC @ 50-60 Hz -8__1: 12-24 VDC ±10%
<b>Consumption:</b>	VAC: 20 watts max. VDC: 15 watts max.
<b>Sensor supply:</b>	24 VDC ± 5% @ 200 mA
<b>Repeater output:</b>	4-20 mA, 24 VDC ± 5% @ 40 mA supply
<b>Contact type:</b>	-12_1: (2) SPDT relays -14_1: (4) SPDT relays
<b>Contact rating:</b>	3A @ 30 VDC, 250 VAC resistive load
<b>Ambient temp.:</b>	F: -40° to 149° C: -40° to 65°
<b>Enclosure type:</b>	1/8 DIN, panel mount
<b>Enclosure rating:</b>	NEMA 4X (IP65) faceplate
<b>Enclosure mat'l:</b>	Polycarbonate
<b>Classification:</b>	General purpose
<b>Compliance:</b>	CE
<b>Approvals:</b>	UL, cULus listed, E160849, 508 industrial control equipment

## Dimensions



## Accessories



### P/N

**LM92-1002**

### DESCRIPTION

Single indicator windowed, 1/8 DIN, PC



**LM92-2002**

Two indicator windowed, 1/8 DIN, PC



**LI56-1011**

4-20 mA repeater card

**LI56-1201**

2 relay card

**LI56-1211**

2 relay with 4-20 mA repeater card

**LI56-1401**

4 relay card

**LI56-1411**

4 relay with 4-20 mA repeater card

## Ordering

LI55 -    1

### SUPPLY VOLTAGE

- 1 85-265 VAC
- 8 12-24 VDC

### CONFIGURATION (1) (2)

- 0 Meter only
- 2 Meter with 2 relays
- 4 Meter with 4 relays

### REPEATER CONFIGURATION

- 0 No repeater
- 1 4-20 mA repeater

## NOTES

- 1) For field mount installation in a NEMA 4X, polycarbonate windowed enclosure, order the single or two indicator box.
- 2) Expansion cards may be purchased separately to replace or expand the capability of the controller.