

# DataPoint™ LC52

Continuous Level Sensor Controller



## Application

The general purpose AC powered tank or silo level controller displays engineering units with one 4-20 mA level transmitter, two programmable relays and an isolated 4-20 mA repeater. Relay one is configurable on a single set point. Relay two can be configured on a single set point or latched on two set points for automatic fill or empty control in simplex mode. Select this DIN rail mount controller for use with general purpose two or three-wire level sensors. For field mount installation, add a single or double NEMA box with optional flash and/or audible alarm.



LC52-1001  
Shown

## Features

- Bright LED display indicates level in custom engineering units
- Fail-safe relay control of pumps or valves with 0-60 second delay
- Easy push button configuration of span, display and relay set points
- 35mm DIN rail mount PP enclosure with removable terminal strips
- Invert switch changes relay state from NO to NC without rewiring
- Bar graph display indicates the percentage of measured span
- Available with custom NEMA boxes and tank alarm accessories

## Key Benefits

- Controls pumps, valves, horns and alarm indicators
- Complete solution for level sensor control requirements
- Lock-out feature prevents unauthorized setting changes
- 35mm DIN rail or screw mount design for easy installation

## Compatible Products



**LG10/LG11**  
**ECHOWAVE®**  
Guided Wave Level  
Transmitter



**UG01**  
**ECHOPOD®**  
Ultrasonic Level  
Transmitter



**LU23**  
**ECHOSONIC®**  
Ultrasonic Level  
Transmitter



**DL14**  
**ECHOPOD®**  
Ultrasonic Level  
Transmitter



**LR15**  
**ECHOPULSE®**  
Pulse Radar Level  
Transmitter

# DataPoint™ LC52

Continuous Level Sensor Controller

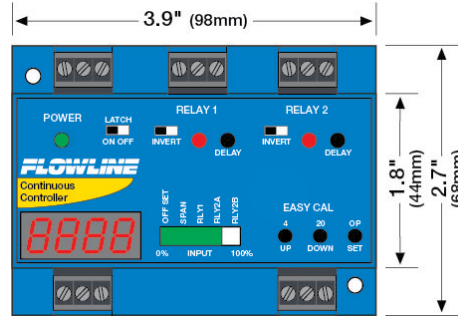


## Specifications

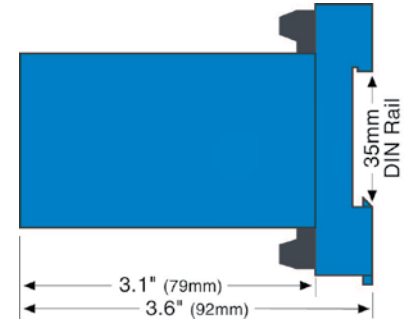
<b>Display type:</b>	LED, 3.5 digit
<b>Display units:</b>	Engineering
<b>Display output:</b>	0 to 999
<b>LED indication:</b>	Power & relay
<b>LED bar graph:</b>	Span & set points
<b>Memory:</b>	Non-volatile
<b>Security:</b>	Set point lock out
<b>Configuration:</b>	Push button
<b>Alarm indication:</b>	Amber: < 4mA Red: > 20mA
<b>Sensor input:</b>	(1) 4-20mA
<b>Supply voltage:</b>	120 / 240 VAC @ 50-60 Hz.
<b>Sensor supply:</b>	24 VDC @ 1.5 watts
<b>Loop power:</b>	4-20mA, 18 VDC
<b>Consumption:</b>	5 watts maximum
<b>Contact type:</b>	(2) SPDT relay (1 latching)
<b>Contact rating:</b>	250 VAC @ 10A
<b>Contact output:</b>	Selectable NO / NC
<b>Contact latch:</b>	Selectable ON / OFF
<b>Contact delay:</b>	0.15 - 60 seconds
<b>Repeater output:</b>	4-20mA, 12-36 VDC
<b>Ambient temp.:</b>	F: -40° to 158° C: -40° to 70°
<b>Pressure:</b>	Atmospheric
<b>Enclosure type:</b>	35mm DIN rail (EN 50 022)
<b>Encl. material:</b>	PP, UL94VO
<b>Classification:</b>	General purpose

## Dimensions

Top View



Side View



## Accessories

Protect your level controller from the elements using the below single or double NEMA boxes that come with 35mm DIN rail mounting hardware.

P/N	DESCRIPTION
 <b>LM92-1202</b>	Single NEMA box, windowed, 35mm rail, PC
 <b>LM92-2202</b>	Double NEMA box, windowed, 35mm rail, PC

## Ordering

LC52-1001 (1)

## NOTES

- 1) For field mount installation in a NEMA 4X polycarbonate enclosure, order the single or double NEMA box.