

# DataPoint™ Remote Level Controller



#### **Overview**

The LC52 general purpose controller provides single tank level indication with 2 relays, up to three setpoints and an isolated analog repeater. Relay 1 is configurable on a single setpoint. Relay 2 can be configured on a single setpoint or latched on two setpoints for automatic fill or empty control. The controller accepts a 4-20 mA input from any type of level transmitter. The LC52 has a polycarbonate enclosure with integral 35mm DIN rail mounting.

### **Features**

- $\bullet$  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 pushbutton calibration for span, display and relay set points
- 35mm DIN rail or panel mount polypropylene (PP) enclosure with removable terminal strips
- Invert switch changes relay state from NO to NC without rewiring
- 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 setting changes
- 2-year warranty



DataPoint LC52 Series Technical Specifications	
Model	<u>LC52-1001</u>
Price	\$485.00
Weight (lb)	1.9
Supply Voltage	120VAC @ 50-60 Hz (can be configured for 240VAC) 50-60 Hz
Display Type	LED, 3.5 digit
Display Units	Engineering
Display Output	0 to 999
LED Indication	Power & relay
LED Bar Graph	Span and setpoints
Memory	Non-volatile
Security	Setpoint lock out
Configuration	Pushbutton
Alarm Indication	Amber: < 4mA; Red: > 20mA
Sensor Input	(1) 4-20 mA
Sensor Supply	24VDC @ 1.5 W
Loop Power	4-20 mA, 18VDC
Consumption	5W maximum
Contact Type	(2) SPDT relays (one non-latching, one latching)
Contact Rating	250VAC @ 10A
Contact Output	Selectable NO / NC
Contact Latch	ON / OFF
Contact Delay	0-60 seconds
Repeater Output	4-20 mA, 12-36 VDC, 1200 $\Omega$ max
Ambient Temperature	-40°F to 158°F [-40°C to 70°C]
Enclosure Mounting	35mm DIN rail or direct panel mount
Enclosure Material	Polypropylene (PP), UL94VO
Classificaton	General purpose
Compliance*	N/A

<sup>\*</sup> To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

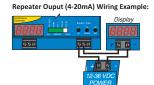


# **DataPoint™ Remote Level** Controller

### Wiring







Low Level Alarm Output Wiring Example:

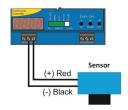




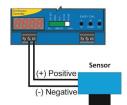


EchoSonic II (LU23, LU27, LU28 & LU29 Sensors & EchoPod (DL10, DL14, DL24 & DL34) Sourcing Mode (Factory Setting) Wiring Example:

Symbol Key: Power: Horn:

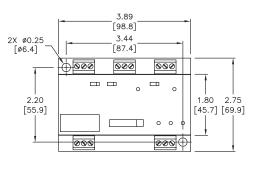


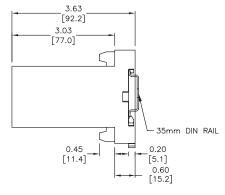
EchoSpan (LU80, LU81, LU83 & LU84 Sensors) Sourcing Mode (Factory Setting) Wiring Example:



### **Dimensions**

inches [mm]





## **Compatible Products**

See our website www.AutomationDirect.com for complete Engineering drawings.

EchoSonic® II **Ultrasonic Level Transmiters** 



**EchoPod® Ultrasonic** Level **Transmitters** 



**EchoSpan® Ultrasonic Level Transmitter** 



**EchoTouch® Ultrasonic Level Transmitters** 



Endress+Hauser **Submersible Level Transmitters** 

