



# Flow Line Options

9009 Freeway Drive      Macedonia, Ohio 44056  
 Phone: (330) 468-0180      FAX: (330) 468-0185  
 WEB: www.flo-corp.com      EMAIL: sales@flo-corp.com

## Level Switch Remote Relay Controller



LC92-1001 Shown

### Specifications

<b>Supply voltage:</b>	120/240 VAC, 50-60 Hz.
<b>Sensor inputs:</b>	LC40/90: (1) level switch LC41/91: (2) level switches LC42/92: (3) level switches
<b>Contact type:</b>	LC40/90: (1) SPDT relay LC41/91: (1) SPDT relay, latching LC42/92: (2) SPDT relays, (one latching)
<b>Contact rating:</b>	250 VAC @ 10A
<b>Contact delay:</b>	0-60 seconds
<b>LED indication:</b>	Sensor, power & relay status
<b>Electronics temp:</b>	F: -40° to 158° C: -40° to 70°
<b>Enclosure material:</b>	PP (UL94VO)
<b>Classification:</b>	LC4_: General purpose LC_9: Associated apparatus

### Application

Available in two classifications; CSA approved general purpose and isolation with built-in intrinsic safety barriers for use with associated apparatus. Each classification is offered in three versions with 1 or 2 relays and 1-3 sensor inputs. The LC40/90 provides a high or low level switch with a single sensor input. The LC41/91 provides latched automatic fill or empty control with two sensor inputs. The LC42/92 provides latched automatic fill or empty control and an independent high or low level switch with three sensor inputs.

### Features

- ✓ Optional built-in intrinsic safety barriers for hazardous level applications
- ✓ Fail-safe remote relay control of pumps and valves with 0-60 second time delay
- ✓ Easy setup with LED indicators for sensor, power and relay status
- ✓ 35 mm DIN rail mount PP enclosure with removable terminal strips

### Tech Tip

Package the isolation controller with the CSA approved intrinsically safe **ultrasonic** level switch.





# Flow Line Options

9009 Freeway Drive      Macedonia, Ohio 44056  
 Phone: (330) 468-0180      FAX: (330) 468-0185  
 WEB: www.flo-corp.com      EMAIL: sales@flo-corp.com



LM94-1001 Shown

## Order

LC   -1001

### Classification (1)

- 4 General purpose
- 9 Isolation (hazardous)

### Contact(s) / input(s) (2) (3) (4) (5)

- 0 1 SPDT relay / 1 sensor
- 1 1 SPDT latching relay / 2 sensors
- 2 2 SPDT relays (1 latching) / 3 sensors

### Ordering Notes

- 1) Select the classification based upon your general purpose or isolation (intrinsic safety for associated apparatus) requirements.
- 2) Select the best configuration based upon your control requirements. The following are the typical applications for each type:  
 LC90: High or low level switch  
 LC91: Automatic fill or empty  
 LC92: Automatic fill or empty with high or low level switch
- 3) To factory configure for 240 VAC, place an E at the end of the P/N: (ie: LC90-1001-E).
- 4) To order the CE configuration, place CE at the end of the P/N: (ie: LC92-1001-CE).
- 5) For field mount installation in a NEMA 4X polycarbonate windowed enclosure, order the LM94-1001 (single controller box) or the LM95-1001 (two controller box).