Spec-Tech Industrial Electric

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Level Switch Remote Relay Controller

LC92-1001 Shown

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.

Tech Tip

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

Specifications

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

LM94-1001 Shown

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

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).