FLOWLINE™ LEVEL BEST

Switch-Pro™ Remote Level Controllers

Part No. LC40-1001

Part No. LC41-1001

Part No. LC42-1001

Overview

CSA approved, the Switch-Pro general purpose level controllers are offered in three configurations for alarms, pump and valve control. The LC40 accepts one level sensor input and provides one 10A relay for high level or low level alarm. The LC41 accepts two level sensor inputs and provides one latching 10A relay for automatic fill or empty control. The LC42 accepts three level sensor inputs with one latching 10A relay output for automatic fill or empty control, and a second non-latching 10A relay for high level or low level alarm.

Features

- Fail-safe relay control of pumps or valves with 0-60 second delay
- Easy setup with LED indicators for sensor, power and relay status
- 35mm DIN rail mount or panel mount polypropylene (PP) enclosure with removable terminal strips
- Invert switch changes relay state from NO to NC without rewiring
- Mounts easily in control panel
- Connects to any Flowline level switch
- Interfaces directly with any horn, buzzer, valve, etc...
- Use LC41, LC42 version for automatic fill/empty operations
- 2-year warranty

Switch-Pro LC Series Technical Specifications			
Model	***LC40-1001***	***LC41-1001***	***LC42-1001***
Price	$275.00	$325.00	$385.00
Weight (lb)	1.9	1.9	1.9
Supply Voltage	120VAC @ 50-60 Hz (can be field configured for 240VAC)		
Consumption	5W maximum		
Sensor Inputs	(1) two wire level switch	(2) two wire level switches	(3) two wire level switches
Sensor Supply	13.5 VDC @ 27mA		
LED Indication	Sensor (green), power (green) & relay (red)		
Contact Type	(1) SPDT relay (non-latching)	(1) SPDT relay (latching)	(2) SPDT relays, (one non-latching, one latching)
Contact Rating	250VAC @ 10A		
Contact Output	Selectable NO / NC		
Contact Latch	N/A	Selectable ON / OFF	Selectable ON / OFF
Contact Delay	0-60 seconds		
Ambient Temperature	-40°F to 158°F [-40°C to 70°C]		
Enclosure Mounting	35mm DIN rail or thru-hole panel mount		
Enclosure Material	PP (polypropylene), UL94VO		
Classificaton	General purpose		
Compliance*	CSA LR 79326		

** 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*

Switch-Pro™ Remote Level Controllers

Wiring

LC40 series: 1 sensor input, 1 relay output.

Typical Application:
High level or low level alarm

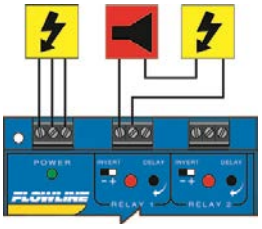
LC41 series: 2 sensor inputs, 1 relay output. The relay included is a latching relay.

Typical Application:
Automatic fill or empty

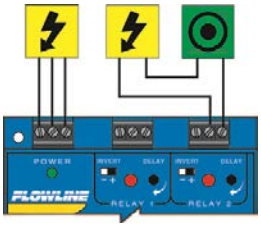
LC42 series: 3 sensor input, 2 relay outputs. One relay is latching and the other is a single input relay.

Typical Application:
Automatic fill or empty with high level or low level alarm

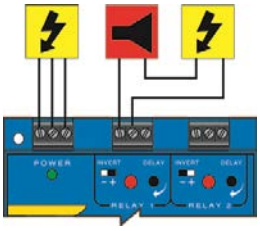
Low Level Alarm Output Wiring Example (One level sensor input required):



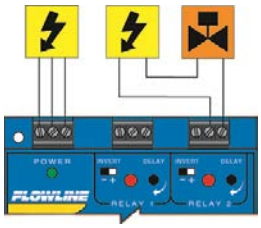
Automatic Fill Output Wiring Example (Two level sensor inputs required):



High Level Alarm Output Wiring Example (One level sensor input required):



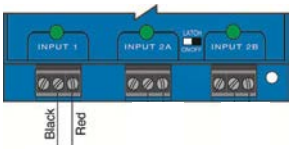
Automatic Empty Output Wiring Example (Two level sensor inputs required):



Symbol Key:

Power: **Pump:** **Horn:** **Valve:**

Level Sensor Input Wiring Example:

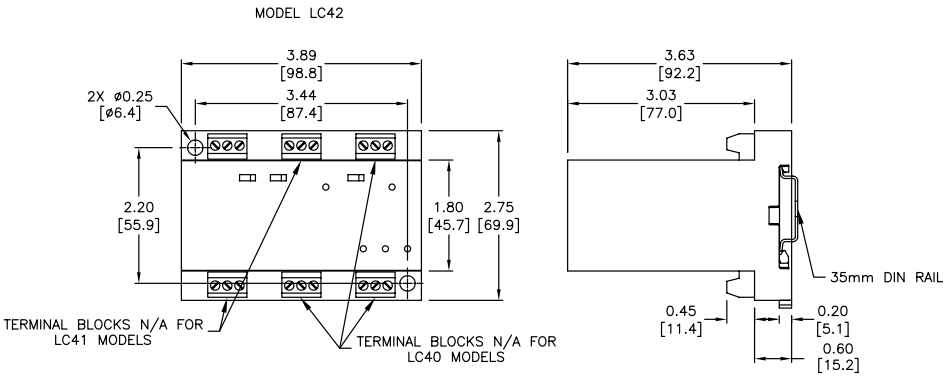


LZ12
LU10
LP15
LV10*

LV10 series can be wired using the White and Black wires for NO operations or the Red and Black wires for NC operations.

Dimensions

inches [mm]



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

Compatible Products

ProSense Float Level Switches

Switch-Tek™ Level Switch Sensors