

SwitchPoint™ *Compact Relay Level Controller*

SwitchPoint LC10 0412 D3_0

Specifications

Supply voltage:	120/240 VAC @ 50-60 Hz.
Consumption:	5 watts max.
Strobe type:	10_1: N/A 10_2: Xenon tube
Strobe flash:	10_1: N/A 10_2: 1 per second
Sensor inputs:	LC10: (1) two-wire level switch LC11: (2) two-wire level switches
Sensor supply:	13.5 VDC @ 27 mA
Contact type:	LC10: (1) SPDT relay LC11: (1) SPDT relay, latching
Contact rating:	250 VAC @ 10A
Contact latch:	LC10: N/A LC11: Select ON/OFF
Contact delay:	0-60 seconds
LED indication:	Sensor, power and relay status
Electronics temp.:	F: -40° to 158° C: -40° to 70°
Enclosure rating:	NEMA 4X (IP65)
Encl. material:	10_1: PP, UL94VO 10_2: PP, UL94VO and polycarbonate
Encl. mount:	100_: 3/4" NPT 105_: 3/4" Rp
Encl. rotation:	300° swivel base
Conduit entrance:	Single, 1/2" NPT
Classification:	General purpose
Certificate:	CSA: LR 79326
CE compliance:	EN 50082-2 immunity EN 55011 emission EN 61010-1 safety



Description

The general purpose controller is offered in two versions with 1 relay and 1-2 sensor inputs. The LC10 provides a high or low level switch with a single sensor input. The LC11 provides latched automatic fill or empty control with two sensor inputs and is typically integrated with Smart Trak. The optional flash alarm brings immediate attention to process conditions. Package the controller with any of our level switches. The AC powered relay controller has a 10A relay, adjustable time delay, LED indicators and NO or NC invert switch. The rugged NEMA 4X enclosure is made of UL approved fire retardant PP with a swivel base for easy conduit alignment.

Features

- ✓ Optional flash alarm indicates process condition to on-site personnel
- ✓ Fail-safe relay control of pumps and valves with 0-60 second time delay
- ✓ PP enclosure rated NEMA 4X with 300° conduit swivel base



SwitchPoint Ordering

LC1 -10

Contact / input(s) (1)

- 0 1 SPDT relay / 1 sensor
- 1 1 SPDT latching relay / 2 sensors

Enclosure mount

- 0 3/4" NPT (US)
- 5 3/4" Rp (Metric)

Configuration (2) (3) (4)

- 1 Controller only
- 2 Controller with Strobe Alert

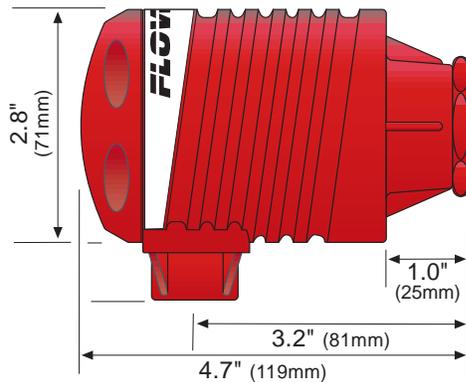


Ordering Notes

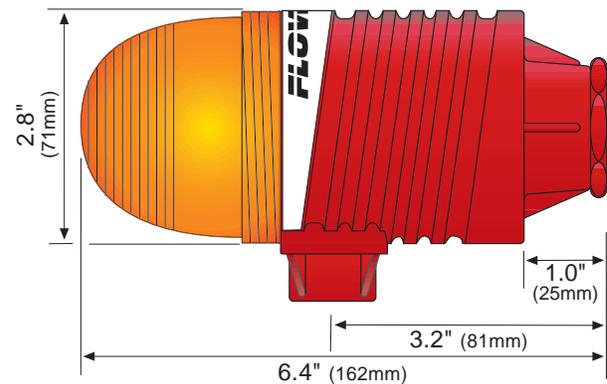
- 1) Select the best configuration based upon your control requirements. The following are the typical applications for each type:
LC10: High or low level switch
LC11: Automatic fill or empty
- 2) To factory configure for 240 VAC, place an E at the end of the P/N: (ie: LC10-1001-E).
- 3) To order the CE configuration, place CE at the end of the P/N: (ie: LC11-1001-CE).
- 4) For a liquid tight cable connection, order the LM90-1001 connector.

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Controller Only



Controller w/ Strobe Alert



Specifications are subject to change without notice.

Sensors



Vibration

- Typically applied in wastewater media with light coating and/or foaming characteristics
- General purpose classification



Ultrasonic

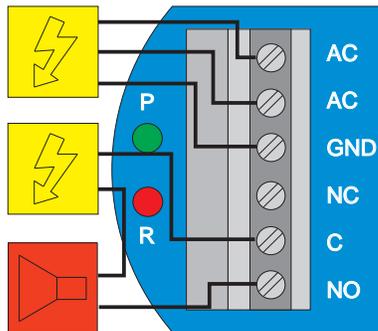
- Broadly applied in chemical, solvent, hydrocarbon and light weight oil media
- Intrinsically safe classification



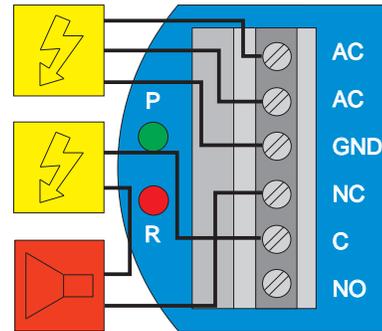
Buoyancy

- Best applied in clean water or water-like chemical media that is non-coating or scaling
- General purpose classification

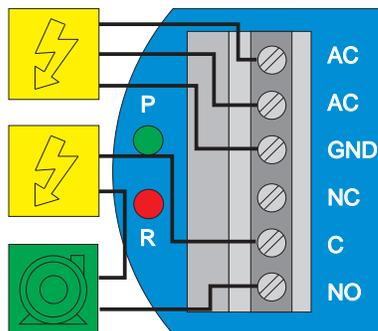
Auto Empty Operation - Invert Off



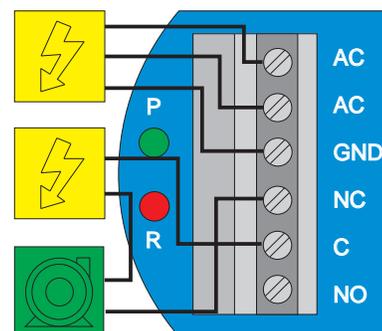
Auto Fill Operation - Invert Off



Auto Empty Operation - Invert Off



Auto Fill Operation - Invert Off



Warning: The use of an appropriate motor starter or secondary relay is recommended with pumps, valves or alarms to prevent damage to the relay contacts. The use of suppressors (snubbers) is strictly recommended when switching inductive loads.