Thermo-Flo™ LC30

Compact Flow Switch Controller

FLOWLINE™
LEVEL BEST

Application

The general purpose flow controller acepts one flow sensor input, and provides one 16A relay for low-flow pump or process protection. The optional flash alarm brings attention to low-flow alarm conditions. Package this flow controller with our liquid or gas flow switch sensors.

Features

- Fail-safe relay control of pumps or valves with 0-60 second delay
- Optional strobe brings immediate attention to flow alarm conditions
- PP enclosure rated NEMA 4X with swivel base for conduit alignment
- Easy setup with LED indicators for sensor, power and relay status
- Invert switch changes relay state from NO to NC without rewiring

LC3_-10_2
Shown

LC3_-10_1
Shown

Key Benefits

- Connects to all Flowline flow switches (FT10/GT10 series)
- Mounts directly onto flow switches
- Corrosion resistant enclosure for indoor or outdoor use
- Switches load up to 16 Amps including valves, horns and buzzers
- Ideal for chemical injection lines
- Optional visual alaarm

Faceplate
Shown

Compatible Products

FT10

THERMO-FLO™
Thermal Dispersion Flow Switch
Broadly applied in water like liquids

GT10

THERMO-FLO™
Thermal Dispersion Flow Switch
Broadly applied in gas applications
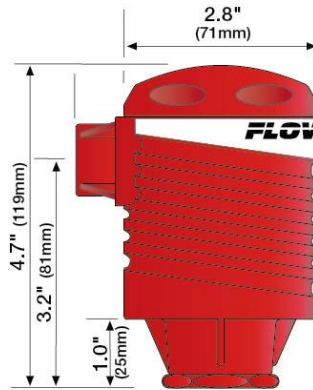
Thermo-Flo™ LC3X

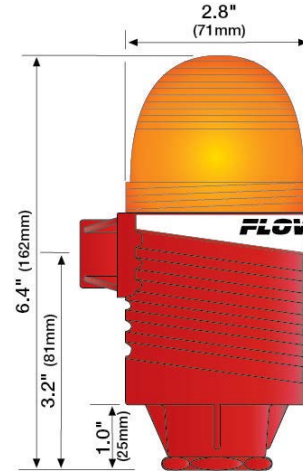Compact Flow Switch Controller

Specifications

Supply voltage:	120 / 240 VAC @ 50-60 Hz.
Consumption:	0.25A maximum
Sensor inputs:	(1) Four wire flow switch
Sensor supply:	24 VDC @ 50 mA
LED indication:	Sensor, power & relay
Strobe type:	-10X1: N/A
	-10X2: Xenon tube
Strobe flash:	-10X1: N/A
	-10X2: 1 per second
Contact type:	(1) SPDT relay
Contact rating:	250 VAC @ 16A
Contact output:	Selectable NO / NC
Contact delay:	0.15 - 60 seconds
Ambient temp.:	F: -40° to 158°
	C: -40° to 70°
Pressure:	Atmospheric
Enclosure rating:	NEMA 4X (IP65)
Encl. material:	-10X1: PP, UL94VO
	-10X2: PP, UL94VO & PC
Conduit entrance:	1/2" NPT
Enclosure mount:	3/4" NPT (3/4" R)
Classification:	General purpose
Approvals:	CSA, LR 79326

Dimensions

Without Strobe Alert

With Strobe Alert

Strobe Alert

The Controller with Strobe Alert configuration flashes when the relay is energized during a high or low level alarm condition, bringing immediate visual attention.

Ordering

LC30-10 ☐ ☐

ENCLOSURE MOUNT
0   NPT (US)
5   R (Metric)

CONFIGURATION (1) (2)
1   Controller only
2   Controller with Strobe Alert

NOTES

1) The level controller is compatible with Flowline level switch sensors and installation fittings.

2) For a liquid tight cable connection, order the LM90-1001 connector