

## Application



The general purpose flow controller accepts 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
- ✓ Polypropylene 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
- ✓ Compatible with Flowline liquid and gas flow switch sensors

## Key Benefits

- ✓ Connects to all Flowline flow switches (FT10/GT10)
- ✓ Mounts directly onto flow switch
- ✓ Switches load up to 10 Amps including valves, horns, and buzzers
- ✓ Ideal for chemical injection lines
- ✓ Optional visual alarm

## Compatible Products

### Thermo-Flo™ FT10/GT10 Liquid & Gas Flow Switch Sensors



## Application

Offered in liquid and gas sensor types, the general purpose flow switch provides reliable low or no-flow detection of relatively clean, non-coating media with one 1A relay output. Liquid examples include water and acetic acid. Available in PP-Ryton® and PVDF, the short flow sensor is used in pipe or ducting from 1/2" to 1 1/2", and the long flow sensor is used in 2" and up. The flow switch set point may be adjusted from 0.04 to 3 fps in liquids, or 1 to 90 fps in gases as a low-flow alarm. The flow sensor is best applied in applications with relatively constant temperature.

## Specifications

Supply voltage: 120 / 240 VAC, 50-60 Hz

Consumption: 0.25A maximum

Sensor input: (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: 0-60 seconds

Ambient temp.: F: -40° to 158°

C: -40° to 70°

Enclosure rating: NEMA 4X (IP65)

Enclosure mat.: 10X1: PP, UL94VO

10X2: PP, UL94VO & PC

Conduit entrance: 1/2" NPT

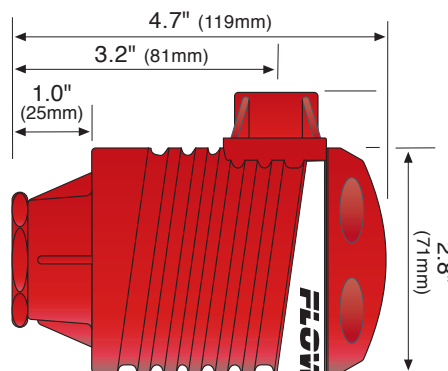
Enclosure mount: 3/4" NPT (3/4" Rp)

Classification: General purpose

Compliance: CE

Approvals: CSA, LR 79326

## Dimensions



## Accessories



### Strobe Alert

The controller with Strobe Alert configuration flashes when the relay is energized during a high or low level alarm condition.



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## Ordering

LC30-10

### Enclosure mount

0 NPT (US)

5 Rp (Metric)

### Configuration (1)

1 Controller only

2 Controller with Strobe Alert

### Notes

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