Thermo-Flo™ LC8X
Remote Flow Switch Controllers

Application

The general purpose flow switch controller is offered in two configurations for low-flow pump and process protection. The LC80 accepts one flow switch input and provides one 10A relay for low flow control. The LC82 accepts two flow switch inputs and provides two 10A relays for dual low flow control. Package this flow switch controller with our liquid or gas flow switch sensors. For field mount installation, add a single or dual controller NEMA box.

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 PP enclosure with removable terminal strips
- Invert switch changes relay state from NO to NC without rewiring
- Available with custom NEMA boxes and alarm accessories

Key Benefits

- Controls pumps, valves, horns and alarm indicators
- Available in general purpose configuration
- Complete solution for flow switch control requirements
- 35mm DIN rail or screw mount inside panel or NEMA box

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™ LC8X**
Remote Flow Switch Controllers

### Specifications

- **Supply voltage:** 120 / 240 VAC @ 50-60 Hz.
- **Consumption:** 5 watts maximum
- **Sensor inputs:**
  - LC80: (1) Four-wire flow switch
  - LC82: (2) Four-wire flow switches
- **Sensor supply:** 13.5 VDC @ 100 mA
- **LED indication:** Sensor, power & relay
- **Contact type:**
  - LC80: (1) SPDT relay
  - LC82: (2) SPDT relays
- **Contact rating:** 250 VAC @ 10A
- **Contact output:** Selectable NO / NC
- **Contact latch:**
  - LC80: N/A
  - LC82: Selectable ON/OFF
- **Contact delay:** 0.15 - 60 seconds
- **Ambient temp.:**
  - F: -40° to 158°
  - C: -40° to 70°
- **Pressure:** Atmospheric
- **Enclosure type:** 35mm DIN rail
- **Encl. material:** PP, UL94VO
- **Classification:** General purpose
- **Approvals:** CSA, LR 79326

### Dimensions

#### Top View

#### Side View

### Accessories

Protect your level controller from the elements using the below single or double NEMA boxes that come with 35mm DIN rail mounting hardware.

<table>
<thead>
<tr>
<th>P/N</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>LM92-1202</td>
<td>Single Controller NEMA box, windowed, 35mm rail, PC</td>
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<tr>
<td>LM92-2202</td>
<td>Dual Controller NEMA box, windowed, 35mm rail, PC</td>
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### Ordering

- **LC8-1001**

<table>
<thead>
<tr>
<th>ENCLOSURE MOUNT (1) (2)</th>
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<tbody>
<tr>
<td>0</td>
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<tr>
<td>2</td>
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### NOTES

1. The flow switch controller is compatible with Thermo-Flo liquid and gas flow sensors.
2. For field mount installation in a NEMA 4X polycarbonate enclosure, order the single or double NEMA box.