

Strobe Alert™

Flash Alarm

LC09-1001 / LC10-1004 Series Manual



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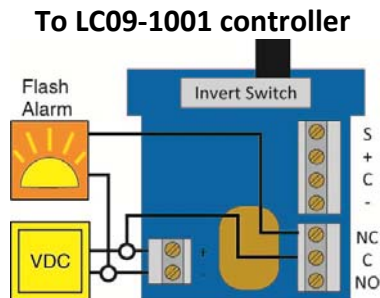
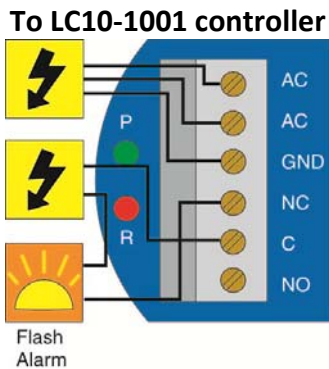
Flash type:	Xenon tube
Flash frequency:	1 per second
Strobe life:	10M cycles
Supply voltage:	LC09: 12-36 VDC LC10: 120 VAC LC10-E: 240 VAC
Consumption:	LC09: 80 mA LC10: 2 Watts max. LC10-E: 3 Watts max.
Material:	Polycarbonate
Enclosure rating:	NEMA 4X (IP65)
Color:	Amber

Unpacking and Inspection: The following items are included in this package:

- 1 Strobe Alert™ (LC09-1004, LC10-1004 or LC10-1004-E)
- 1 Junction wire
- 1 Gasket
- 1 Instruction Manual

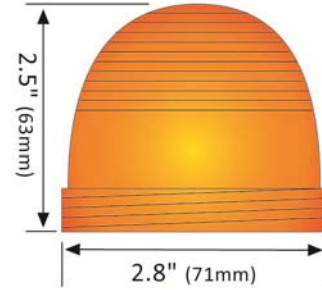
Check to make sure that all parts are included in the kit before proceeding:

Strobe Alert™ to LC10-1001 controller: The 16A relay in the LC10-1001 is an independent SDPT relay. With the Strobe Alert™ wired NC; it can be used as a high or low level alarm, depending on the setting for the invert switch. The Strobe Alert™ can also be wired NO. Power to the Strobe Alert™ can be provided from the controller's supply or from an alternative source.

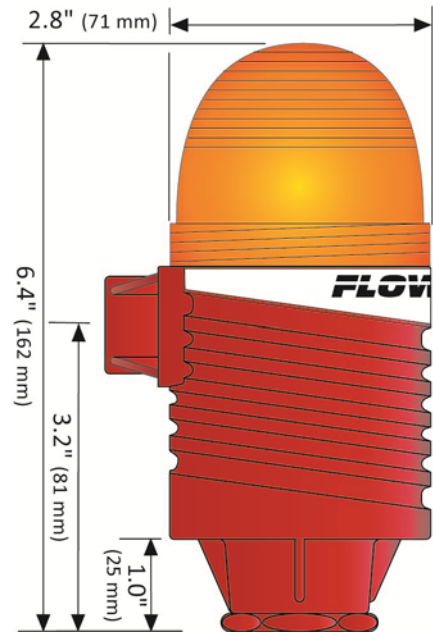


Strobe Alert™ to LC09-1001 controller: The 6A relay in the LC09-1001 is an independent SDPT relay. With the Strobe Alert™ wired NC; it can be used as a high or low level alarm, depending on the setting for the invert switch. The Strobe Alert™ can also be wired NO. Power to the Strobe Alert™ can be provided from the controller's supply or from an alternative source.

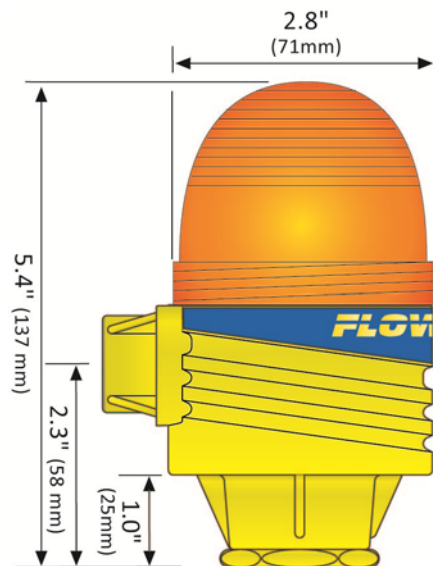
Strobe Alert™ Alone



Strobe Alert™ w/ LC10, LC11 or LC05 series



Strobe Alert™ w/ LC06, LC09 series



- ⚠ **About This Manual:** PLEASE READ THE ENTIRE MANUAL PRIOR TO INSTALLING OR USING THIS PRODUCT. This manual includes information on three different models of Strobe Alert™ Flash Alarm from Flowline: LC09-1004, LC10-004 and LC10-1004-E. Many aspects of installation and use are similar between the three models.
- ⚠ **User's Responsibility for Safety:** FLOWLINE manufactures several models of controller, with different mounting and switching configurations. It is the user's responsibility to select a controller model that is appropriate for the application, install it properly, perform tests of the installed system, and maintain all components.
- ⚠ **Electrical Shock Hazard:** It is possible to contact components on the controller that carry high voltage, causing serious injury or death. All power to the controller and the relay circuit(s) it controls should be turned OFF prior to working on the controller. If it is necessary to make adjustments during powered operation, use extreme caution and use only insulated tools. Making adjustments to powered controllers is not recommended. Wiring should be performed by qualified personnel in accordance with all applicable national, state and local electrical codes.
- ⚠ **Flammable or Explosive Applications:** *Sensor mount controllers should not be used with explosive or flammable liquids, which require an intrinsically safe or explosion proof rating.* If you are unsure of the suitability of a controller for your installation, consult your Flowline representative for further information.
- ⚠ **Install In a Dry Location:** The LC09 & LC10 series Strobe Alert™ is liquid-resistant and made of Polycarbonate. When installed properly, the Strobe Alert™ and the housing it is attached to are not designed to be immersed. It should be mounted in such a way that it does not normally come into contact with fluid. Refer to an industry reference to ensure that compounds that may splash onto the controller housing will not damage it. Such damage is not covered by the warranty.
- ⚠ **Testing with a Flowline Controller:**
1. If connected, turn Off power to the controller device (motor, alarm circuit, etc). Turn On power to the controller at the switch or circuit breaker. The green Power LED should turn On.
 2. Immerse the sensor(s). The amber INPUT LED(s) should turn On immediately when liquid is sensed.
 3. Turn the TIME DELAY potentiometer full counter-clockwise for immediate response from the relay. Depending on the setting of the INVERT switch, the red relay LED should come On at the desired sensor condition. A slight click is audible when the relay is turned On and Off.
 4. Turn On power to the controller device and test to make sure the relay circuit performs as expected.

Warranty

Flowline warrants to the original purchaser of its products that such products will be free from defects in material and workmanship under normal use and service in accordance with instructions furnished by Flowline for a period of two years from the date of manufacture of such products. Flowline's obligation under this warranty is solely and exclusively limited to the repair or replacement, at Flowline's option, of the products or components, which Flowline's examination determines to its satisfaction to be defective in material or workmanship within the warranty period. Flowline must be notified pursuant to the instructions below of any claim under this warranty within thirty (30) days of any claimed lack of conformity of the product. Any product repaired under this warranty will be warranted only for the remainder of the original warranty period. Any product provided as a replacement under this warranty will be warranted for the full two years from the date of manufacture.

Returns

Products cannot be returned to Flowline without Flowline's prior authorization. To return a product that is thought to be defective, go to www.flowline.com, and submit a customer return (MRA) request form and follow the instructions therein. All warranty and non-warranty product returns to Flowline must be shipped prepaid and insured. Flowline will not be responsible for any products lost or damaged in shipment.

Limitations

This warranty does not apply to products which: 1) are beyond the warranty period or are products for which the original purchaser does not follow the warranty procedures outlined above; 2) have been subjected to electrical, mechanical or chemical damage due to improper, accidental or negligent use; 3) have been modified or altered; 4) anyone other than service personnel authorized by Flowline have attempted to repair; 5) have been involved in accidents or natural disasters; or 6) are damaged during return shipment to Flowline. Flowline reserves the right to unilaterally waive this warranty and dispose of any product returned to Flowline where: 1) there is evidence of a potentially hazardous material present with the product; or 2) the product has remained unclaimed at Flowline for more than 30 days after Flowline has dutifully requested disposition. This warranty contains the sole express warranty made by Flowline in connection with its products. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED. The remedies of repair or replacement as stated above are the exclusive remedies for the breach of this warranty. IN NO EVENT SHALL FLOWLINE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND INCLUDING PERSONAL OR REAL PROPERTY OR FOR INJURY TO ANY PERSON. THIS WARRANTY CONSTITUTES THE FINAL, COMPLETE AND EXCLUSIVE STATEMENT OF WARRANTY TERMS AND NO PERSON IS AUTHORIZED TO MAKE ANY OTHER WARRANTIES OR REPRESENTATIONS ON BEHALF OF FLOWLINE. This warranty will be interpreted pursuant to the laws of the State of California. If any portion of this warranty is held to be invalid or unenforceable for any reason, such finding will not invalidate any other provision of this warranty.

For complete product documentation, video training, and technical support, go to www.flowline.com.

For phone support, call 562-598-3015 from 8am to 5pm PST, Mon - Fri.

(Please make sure you have the Part and Serial number available.)