

Installation and Maintenance Instructions for Strobe Lights Models 2ERP9 and 2ERT1

IMPORTANT SAFETY INFORMATION

Please read and follow the instructions in this manual carefully. Make sure installation is performed by an experienced technician who understands the National Electric Code, local codes, and guidelines.

Moreover, follow the instructions and cautions listed below:

- Read and understand all instructions before installing or using this product.
- Turn off the main power supply before installation or use of the product.
- After installation is finished, test the light system to make sure it works.
- Provide instruction information to all operating personnel.
- Develop and follow a procedure to check if the equipment is installed and used appropriately.
- The nameplate, which may contain cautions or other valuable information, should be kept in a location where it can be easily seen and read.

WARNING: *Failure to carry out all the safety procedures and instructions may cause property damage, serious injury, or death.*

INSTALLATION

Unpacking

After unpacking, check for any damage due to transportation. Do not install or operate the product if damaged. Contact the carrier immediately and file a damage claim stating the extent of damage. Thoroughly check all information with the product, including shipping labels etc. before removing them.

Mounting (refer to figure 1)

1. Pick out a good location for mounting the strobe light.
2. Before beginning, decide how to route the wiring and cable.
3. Using the gasket as a template, scribe the three “mounting hole” locations and the “wire routing hole” location through the gasket onto the mounting surface.
CAUTION: Check both sides of mounting surface to be certain that other parts or wires are not affected. Make sure that holes are drilled through sheet metal only and not any other parts.
4. Check the mounting surface. For good adhesion with gasket, the surface must be clean, dry and free of foreign substances.
5. At the scribed “mounting hole” locations drill three 0.203” holes. Drill one 0.375” hole at the scribed “wire routing hole” location. Remove any burrs or sharp edges.
6. Place the supplied grommet in the wire routing hole.
7. Run the power lead wires (red and black for 12-48 VDC) through the grommet and rubber gasket on the mounting surface. Use a silicon sealing compound to seal the exit hole at base of light.

8. Connect the red wire lead to one terminal of the vehicle switch (which must be capable of handling at least five amperes). Connect the black wire lead to the vehicle chassis as close as possible to the light. Connect the remaining switch terminal to the vehicle battery with wire. (For runs under 20 feet, use 18-gauge wire. Consult local electrical codes if over 20 feet.) Finally, install an in-line fuse holder close to the battery with a five ampere fuse in the fuse holder.

NOTES: *The vehicle switch, wire for battery connection, 5 amp fuse and fuse holder are to be supplied by user.*

For proper connections and installation, polarity MUST be observed. The red wire must connect to positive terminal and the black wire to negative terminal. If the connections are reversed, the light will not function.

Make sure the vehicle’s voltage is within the voltage rating of the strobe light.

9. Use the screws, lock washers, and units (supplied) to install the light assembly on the mounting surface. Test the light for proper operation.

SPECIFICATIONS

Voltage	12-48 VDC
Current	0.33-0.072 A
Energy Output	2.0 Joules
Flash Rate	72 FPM
Operating Temperature	-30°F to 185°F
Approvals	CE
Environmental Rating	Indoor/Outdoor Use, IP66

STROBE TUBE REPLACEMENT

Replacement of strobe tube is necessary if, after extended use, there is a decrease in light output or darkening of tube, or if the flash tube misfires or glows continuously.

WARNING: *High voltages are present within the light assembly. Wait at least 5 minutes after turning off the power to service the unit.*

1. Disconnect power from the supply circuit to unit and wait five minutes before opening unit to allow the capacitors to discharge.
2. Remove lens from housing by turning counterclockwise.
NOTE: *Do not touch glass portion of strobe tube with fingers as its service life may be shortened.*
3. Carefully grasp the flash tube by its printed circuit board and pull it off of the pins by using a gentle back-and-forth motion. See figure 2.
4. Install a new flash tube. Make sure the O-ring seal lies flat on the base before reassembling the light.
5. See “Replacement Parts” for a complete list of available lamps. Install new strobe tube by seating it into pins socket on the circuit board.
6. Reconnect power and test to determine if light is working properly.

REPLACEMENT PARTS

Only the strobe tube is available for replacement:

Ref	Description	Part Number	Quantity
C	Strobe Tube	CSCAX451020G	1

For Technical Support or Troubleshooting, call: 1-800-323-0620

Printed in China

Supplier #9666

0717/CM

CM 133

07/17

UNDERWRITERS LABORATORIES WARNING EXPLANATION

“WARNING: *Not to be used as a visual public mode alarm notification appliance.*”

WHAT DOES THIS MEAN?

Underwriters Laboratories has two different standards to investigate and List visual signal appliances. The first UL Standard for Safety is UL1971 - Signaling Devices for the Hearing Impaired. This standard covers visual signaling devices intended for fire alarm systems to alert the hearing impaired. The second UL Standard for Safety is UL1638 - Visual Signaling Appliances-Private Mode Emergency and General Utility Signaling. Although this standard may also cover visual signal appliances, it does not include the determination of adequacy relevant to alerting hearing-impaired individuals in a fire alarm system.

In order to avoid any misapplication of a visual signal appliance Listed to UL1638, UL determined that it is the manufacturer’s responsibility to warn the installer in the field and Authority Having Jurisdiction (AHJ) of what would be an inappropriate use of the product. Therefore, manufacturers whose products are Listed to UL1638 are required by Underwriters Laboratories to bear the warning, *“Warning: Not to be used as a visual public mode alarm notification appliance”*.

“Public Operating Mode” and “Notification Appliance” as defined in the National Fire Alarm Code, NFPA 72 is as follows:

Public Operating Mode: Audible or visible signaling to occupants or inhabitants of the area protected by the fire alarm system.

Notification Appliance: A fire alarm system component such as a bell, horn, speaker, light, or text display that provides audible, tactile, or visible outputs, or any combination thereof.

Therefore, this device **should not** be used as a component of a commercial fire alarm system.

Figure 1

- A. Strobe assembly
- B. Gasket
- C. Drill 0.203" dia. holes (3)
- D. #10-32 hex nuts (3)
- E. Pan head screws (3)
- F. Bushing
- G. Wire passage hole
- H. Mounting surface
- I. Wire exit hole

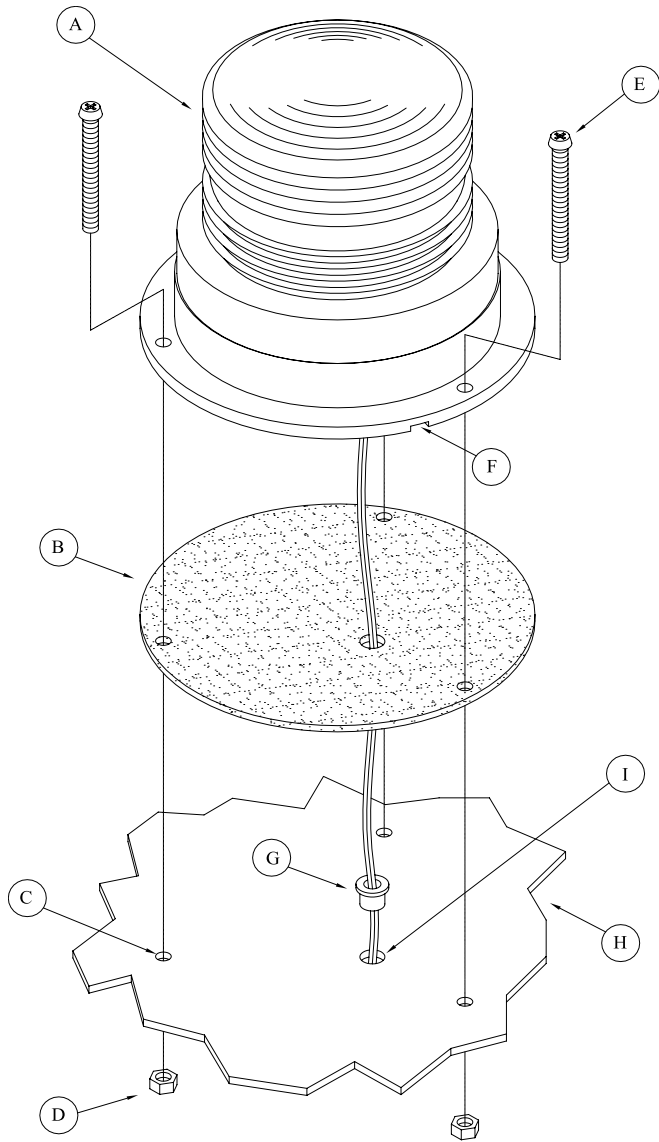


Figure 2

- A. Lens
- B. Lens gasket
- C. Strobe tube
- D. Printed circuit board assembly
- E. Housing
- F. Mounting Surface

