

Service Information Bulletin #3

Elevator Emergency Lights Electrical Troubleshooting

Since 1968, Nylube Products Company, LLC. has been supplying the elevator industry with a complete line of emergency lights. The features of our product support a simple and reliable installation:

- Unit shipped with the battery disconnected but pre-charged for ease of field checkout.
- Warranty on the unit of two full years followed by five years pro-rated. (See Bulletin #12)
- Units completely identified with serial and part numbers.
- Spring loaded lamp sockets. Low and high voltage knockouts have been removed.
- Accessible mounting holes for No. 8 screws. Ample hookup space within the unit.
- Multirate charging circuit as required for GSA and V A jobs.
- Battery discharge protection at 3.5 volts to prevent cell reversal.
- Bulb filament failure and Battery open cell failure indications.

CHARACTERISTICS OF A PROPERLY FUNCTIONING EMERGENCY LIGHT

Our patented circuit which includes several features not found in other elevator emergency lights, automatically recharges the nickel- cadmium battery. To insure a correctly installed, properly functioning unit:

1. Depress the test button (disconnects power) to make sure unit is working. Both lamps should light up.
2. When the battery is fully charged, the filament in the lamps acts as a load resistor to keep the battery from overcharging. An indication of this is a small glowing light in the bulb. This does not materially affect bulb life.

TROUBLESHOOTING

BATTERY/CHARGING MODULE: The rechargeable battery has an expected service life of 10 years and should be replaced after that time. To check for a defective battery, perform the following test:

1. Press the test button. If no lights come on, check to make sure the lamps are not burned out.

2. Test the alarm bell with and without line power by pressing the station button.

3. If lamps do not light and bell does not ring (without line power), the battery is probably dead, or it may also indicate that the charging module is defective.

LAMPS: If one lamp burns out and the remaining lamp goes to full bright, replace both lamps. Lamps should only be replaced with the correct Nylube replacement lamp. Use of other lamps voids the warranty.

FUSE: If a fuse blows, it is usually an indication of a short. Locate and repair the short, then replace fuse.

For problems not addressed by suggestions above, the unit should then be sent to Nylube factory for repair. (See Service Information Bulletin #12)