

Electronic Ballast Installation Instructions

⚠ DANGER!

**HIGH
VOLTAGE**



- Remove primary power before servicing sign or ballast in any way.
- Service and/or installation should only be performed by qualified personnel.
- Installation must be in total compliance with the National Electrical Code®, the requirements of Underwriters Laboratories and applicable local codes.
- Failure to properly ground ballasts may result in the ballast and any metal connected to it to become electrified with potentially hazardous high voltage.

1. Choose the proper ballast for the type, number, and length lamp load -- refer to ballast product label.
2. Mount ballast in the lowest third of the sign cabinet for cooler operation
3. Make sure sign cabinet is well-ventilated to allow cooler outside air to enter at the bottom of the cabinet and hot air to escape near the top of the cabinet.
4. Mount ballast metal-to-metal -- **DO NOT DOUBLE NUT**. If the ballast needs to be raised off the bottom or side of the cabinet, use a solid metal plate.
5. Mount the ballast so that it is protected from excessive moisture or rain. Water leaking inside a sign cabinet onto the electronic ballast will cause the ballast to fail.
6. **DO NOT** completely enclose the ballast inside another enclosure without allowing good ventilation in both enclosures.
7. Ballasts may be placed in enclosures with at least three times the volume of the ballast. This enclosure must be designed to allow good ventilation.
8. **DO NOT** bundle ballast output wires together. Leave loose inside the raceway.
9. **DO NOT** bundle wires from different ballasts together. This will cause cross talk between the ballasts and could lead to intermittent ballast shut down or failure.
10. **Output wiring:** Wire each single output wire from the ballast to BOTH wires on the socket, that is, twist lampholder wires together before connecting to a ballast wire. Wiring to a single wire on the lampholder will cause premature lamp failure.
11. Ballast **must** be grounded for proper and safe operation.
12. All ballasts are rated for operation in an ambient temperature of -20°F to 122°F (-29°C to 50°C).

Failure to comply with these installation instructions can void the product warranty.

xs09063 09/02/10