

INSTALLATION/RETROFIT INSTRUCTIONS FOR ELECTRONIC FLUORESCENT BALLASTS

(Please read entire instructions **before** starting installation)

WARNING: PLEASE READ THE FOLLOWING NOTICE BEFORE INSTALLING FCC “CLASS B” ELECTRONIC FLUORESCENT BALLASTS!

This equipment has been tested and found to comply with FCC 47 CFR Part 18, Consumer RFI/EMI (“Class B”) limits. This Ballast can only be installed in a residential environment.

This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45-30 MHz.

You must follow these codes and safety standards when installing this product:

- National Electric Code (NEC)
- Applicable Federal, Standard and Local Electric Codes
- U.L. safety standards.

Failure to comply with these codes and standards may cause death, serious injury, and property damage.

Only Qualified Electrician Should Perform The Installation Of This Ballast.

Before installing this ballast:

1. Remove Power from fixture by switching circuit breaker powering the fixture to the off position.
Caution: Turning off the fixture’s wall switch may not remove voltage from fixture.
2. For maximum safety and to assure proper starting of fluorescent lamps, fixture must be grounded. Make sure fixture is properly grounded with a green ground wire per National Electrical Code (NEC).
3. Check and make sure that replacement ballast is the right ballast for the fixture, input voltage, lamps, sockets, and application.

During installation:


4. Follow all relevant National Electric Code (NEC), Federal, State and Local Electric Codes as well as U.L. safety standards.
5. Remove fluorescent lamps and ballast compartment cover.
6. Remove old ballast and any extra wires from enclosure.
7. Inspect and replace any damaged or deteriorated cable and/or lamp sockets. Leave about 6-8 inches (150-200mm) of old wire from each lampholder for ease of connection. Strip 3/8 inch (9mm) of insulation from each wire.
8. Review the wiring diagram on the new ballast label and identify connections to be made.
9. Install the new ballast and make sure the new ballast is properly grounded to metal fixture per National Electrical Code (NEC). Tighten ballast mounting screws seating ballast firmly against fixture surface. The ballast must be electrically grounded to the fixture. To insure electrical

grounding between ballast case and fixture housing mounting screws with star washers are recommended to break (penetrate) the painted surface of the ballast mounting foot.

10. Make lamp and electrical connections by carefully following the wiring diagram on the ballast label exactly. Trim excess wire if needed to avoid wire bunching up under ballast compartment cover.
11. Use only U.L. approved wire connectors for all electrical connections. CAUTION: Wire connectors must be securely fastened and must completely cover exposed wire ends to prevent shock hazard.
12. Be sure to insulate unused leads INDIVIDUALLY to 600Vrms using U.L. approved wire connectors.
13. Verify that all installation and safety requirements have been completed.
14. Reinstall ballast cover and lamps. For best performance, the lamps should be replaced at the same time

After ballast installation:

15. Restore power at circuit breaker and apply power to the fixture.
16. Ensure all lamps light properly.

 **Warning**
RISK OF ELECTRIC SHOCK
Turn Power off before servicing
Properly ground Ballast and
Fixture

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(read entire instruction leaflet prior to starting installation work)

FOR RESIDENTIAL (Consumer) USE ONLY. NOT FOR COMMERCIAL USE.

FCC 47 CFR Part 18 Class B, Consumer Rated Product

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