

**WARNING:** HID REPLACEMENT PARTS MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, ALL APPLICABLE FEDERAL, STATE AND LOCAL ELECTRICAL CODES, IN ADDITION TO THE SPECIFIC SAFETY STANDARDS ESTABLISHED BY UL FOR THE INTENDED APPLICATION. INSTALLATION SHOULD BE PERFORMED BY QUALIFIED PERSONNEL ONLY.

Thank you for purchasing this high quality HID Ballast Replacement Kit. To ensure the best performance of your new HID Replacement Ballast, please adhere to the following installation instructions.

## INSTALLATION INSTRUCTIONS:

1. Disconnect power source from fixture before continuing with installation.
2. Ensure that this replacement kit is for the correct lamp type, voltage and application.
3. Confirm power is OFF and remove the existing ballast, capacitor, and starter/ignitor if used.
4. Installation of ballast: Affix (included) mounting bracket(s) to ballast through holes provided in the ballast. Use the hardware supplied in the replacement kit to secure the mounting brackets to the ballast.
5. Replace the capacitor (if required) using the same bracket or strap used to hold the original capacitor.
6. Install starter/ignitor (if required) in the same location the existing starter/ignitor was installed.
7. Ground ballast, fixture, and all components in compliance with the National Electric Code and all federal, state and local electric codes.
8. Connect the ballast, capacitor, and starter/ignitor according to the wiring diagram shown below.
9. If unused leads exist, be sure to cap off exposed leads to insulate the wires.
10. Confirm that all listed instructions and safety precautions have been followed.
11. Turn on power to fixture.

**Remark:** In the end-use application, the ballast shall be provided with a suitable electrical enclosure having adequate strength and thickness as determined in the end-use application.

## HOW TO DETERMINE WHICH WIRING SCHEMATIC TO USE:

1. Look at the catalog number ("CAT NO") indicated on the ballast label.

2. Identify the circuit type of the ballast.

- a. The circuit type is indicated by the letter following the wattage indicator.

**R= Reactor Circuit**

**X= HX Circuit**

**A= CWA Circuit**

Examples:

HPS-150R-1 is **Reactor Circuit**

MH-100X-Q is **HX Circuit**

MH-400A-Q-CA is **CWA Circuit**

b. For a ballast that is a CWA circuit:

- If an ignitor is included with the ballast, follow the instructions for "CWA WITH IGNITOR".

- If no ignitor is included, follow the instructions for "CWA WITHOUT IGNITOR".

