

# Value-added option for HID applications

## Philips Advance LISOD™ Ignitor Shut Off Device for CWA, High Reactance and Reactor HID Ballasts

Ideal for roadway lighting, street lighting, factory or warehouse settings, and a range of other high pressure sodium and metal halide lamp applications that utilize an ignitor, the Philips Advance LISOD™ ignitor shut off device is a value-added option for HID luminaires.

Designed to reduce continuous pulsing of the ignitor when the lamp fails to start, this failsafe shut off device is ideal for applications where spot relamping is not always possible and where lamp cycling is undesirable. With an auto-reset feature that reengages the shut-off device after 0.6 second of mains power interruption, the LISOD ignitor shut off device is ready to disable the ignitor the next time the lamp cycles off.

Convenient, reliable, and available in one single all-purpose unit—to enhance ease of installation and ordering—the versatile Philips Advance LISOD ignitor shut off device minimizes maintenance concerns and represents an value-added solution for a wide variety of HID luminaires.

Integral timer automatically disables ignitor from ballast circuit 15 minutes after power is applied to the ballast, preventing continuous pulsing of ignitor

- Extends ignitor life
- Helps protect ballast coil insulation from potential damage concerns, extending ballast life

Auto shut-off feature prohibits lamp cycling

- Restricts the annoying effects of lamp cycling for anyone in the vicinity
- Automatically turns ignitor off at lamp end-of-life, enabling easier identification of lamp outages for maintenance purposes

Fully compatible with any Philips Advance constant wattage autotransformer, high reactance and reactor ballast that includes a 120V input tap.

- Simplifies installation and application

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# Specification

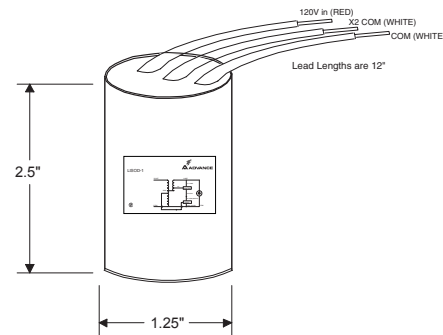
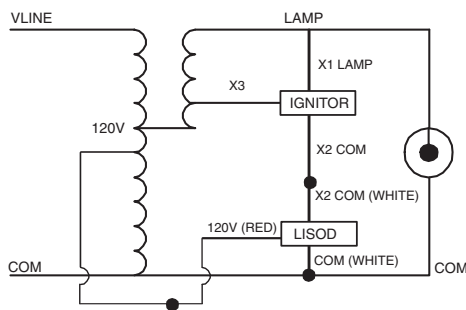
## Application Notes for LISOD ignitor shut off device

- 1.1 If 120V mains or line voltage is not available then LISOD ignitor shut off device utilizes 120V from the ballast as the source of power to operate, thus, the ballast must have a 120V tap.
- 1.2 LISOD ignitor shut off device cannot be used with ballasts with isolated secondary coils: CWI (constant wattage isolated) and REG-LAG (MagReg). The isolation prevents a return path for the 120V power and/or the isolation is compromised.
- 1.3 Within the applications stated in 1.1 & 1.2 the LISOD ignitor shut off device can be used with any Philips Advance HPS or metal halide ballast from 35 through 1500 watts that uses an ignitor.
- 1.4 LISOD ignitor shut off device is not recommended for applications in which a lighting circuit is operated 24-hours continuously. When replacing a burned out lamp, please note that because the LISOD ignitor shut off device has disabled the ignitor, it is necessary to cycle power off to the fixture for at least 0.6 seconds and then back on in order for LISOD ignitor shut off device to reset.
- 1.5 LISOD ignitor shut off device must see a zero voltage on the 120V input for 0.6 seconds to reset. In the event of a momentary line voltage dip that does not go to zero for 0.6 secs, but causes one or more fixtures to “drop out,” the power must be cycled off for at least 0.6 seconds to reset LISOD ignitor shut off device to bring all of the fixtures back on.
- 1.6 Hot HPS lamps normally re-strike within a minute or two regardless of the fixture type. Metal halide lamps in open fixtures take a few minutes to re-strike, but in enclosed fixtures, up to 15 minutes might lapse before the lamp has cooled down enough to permit re-strike. Hence, LISOD ignitor shut off device includes a 15-minute timer.

## Specifications for LISOD

- 2.1 LISOD ignitor shut off device turns off ignitor within 15 minutes when the lamp is missing, fails, or does not start.
- 2.2 LISOD ignitor shut off device protects ignitors and ballasts and extends their operational lives.
- 2.3 LISOD ignitor shut off device restricts lamp cycling.
- 2.4 LISOD ignitor shut off device to be compatible with all Philips Advance Reactor (R), High-reactance (HX), and Constant Wattage Autotransformer (CWA) ballast circuits that include a 120V tap on the primary coil.
- 2.5 Power to be supplied to the device from 120V ballast tap or from 120V line voltage.
- 2.6 LISOD ignitor shut off device’s timer to remain on for 15-minutes after power turn-on.
- 2.7 LISOD ignitor shut off device shall reset after 0.6 seconds when mains power is removed.
- 2.8 LISOD ignitor shut off device shall be packaged in a thermoplastic housing with lead wires for electrical connection. No grounding is required. There shall be no exposed, external metal parts, such as electrical terminals or a metal housing.
- 2.9 Inclusion of LISOD ignitor shut off device in the ballast and ignitor circuit shall not affect lamp starting or operation in any way. Lamps will start, warm-up, and operate at full power.
- 2.10 LISOD ignitor shut off device shall be UL Component Recognized and CSA Certified.
- 2.11 LISOD ignitor shut off device shall carry a 90°C case temperature rating.

Catalog Number	Description	Quantity Per Carton
LISOD1-IC	Ignitor shut-off device for HID CWA, HX, and R ballasts with ignitors. Individual carton packaging.	1
LISOD1	Ignitor shut-off device for HID CWA, HX and R ballasts with ignitors. Bulk packaging.	50



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