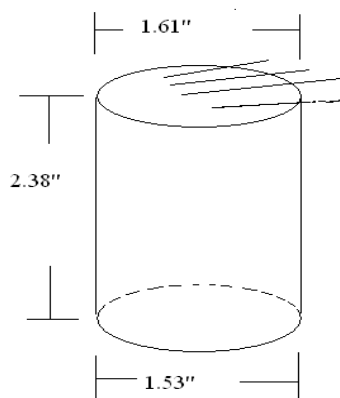


SS1000-NO

**Operation**

For use with ballasts that have up to 1000Vpk open circuit output (disregarding starter pulse); typically any Pulse Start Metal Halide or High Pressure Sodium Ballast from 35 Watt to 1000W MH and HPS

- The goal of Starter Stopper is to prevent damage to ballast insulation caused by high voltage present when lamps fail to start.
- Unit is a time based switch.
- Starter works normally for three programmed periods of time. Then the Starter Stopper turns the starter off until the power to the fixture is cycled off and then back on.

Starter Stopper – Features

- **FACT:** Starter pulses of 8000 – 10,000 Volts peak to peak are present at 120 times (or more) per second any time the power is on and the lamp has not started.
- **PROBLEM:** These High Voltage Starter pulses will accelerate the degradation of ballast insulation, causing premature failure of the ballast and/or fixture. Timely maintenance of fixtures that have lamps that no longer start was the only way to prevent early ballast failure..... UNTIL NOW!
- **SOLUTION:** STARTER STOPPER

Starter Stopper – Features

- **FACT:** Beginning in January 2009, the new law, EISA 2007, goes into effect. All new Metal halide fixtures between 150 and 500 Watts will have pulse start ballasts and lamps.
- **PROBLEM:** Lamps age and die, this is a known fact. Unless the lamps are changed before they actually reach end of life, the ballast is very likely to be damaged by starter pulses when the lamp no longer starts.
- **SOLUTION:** STARTER STOPPER

Application

- The goal of Starter Stopper is to prevent damage to ballast insulation caused by high voltage present when lamps fail to start.
- Unit is a time based switch.
- Starter works normally for three programmed periods of time. Then the Starter Stopper turns the starter off until the power to the fixture is cycled off and then back on.

Starter Stopper - Benefits

- Prolong Ballast Life
- Prevent fixture failure
- Save maintenance costs
- Prevent cycling lamps (both MH and HPS)
- Save energy
- Reduce risk of fire
- Reduce warranty costs.

Specifications

- 1.61" D, 2.38" H
- Lead Length 12 inches
- Works with either 120 or 277V
- Works with any CWA, PSCWA, HX-HPF, HX-NPF Metal halide or HPS ballast.

How does Starter Stopper work?

- At a programmed time the starter is electronically disconnected from the ballast – saving the ballast from high voltage starter pulses AND saving the energy dissipated in the starter (1 – 3Watts per fixture)
- The timing of the starter stopper is carefully designed to compensate for extremes of temperature and to allow for the lamp to adequately cool so that they can be started normally.
- Removing the starter from the circuit will prolong ballast life, especially in the case where the lamp fails to ignite.
- Starter Stopper has an automatic reset feature and will restart the timing feature in the event of a momentary power outage.
- Patent Pending Technology

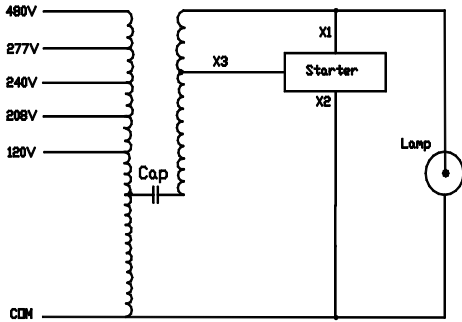
* Specifications subject to change without notice

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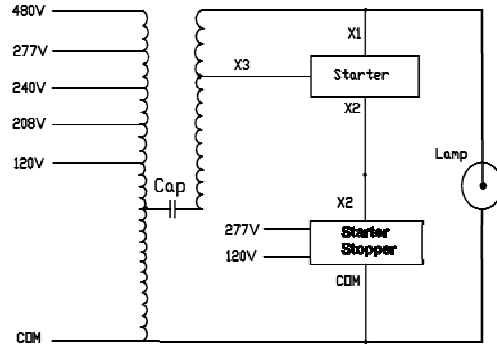
1. Constant Wattage Autotransformer (CWA)

Wiring Diagrams

Without Starter Stopper

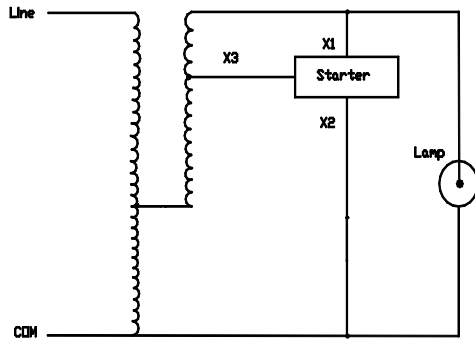


With Starter Stopper

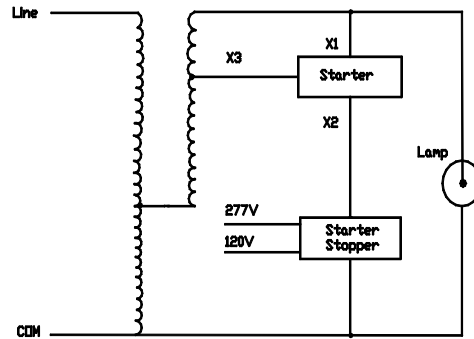


2. High Reactance Autotransformer (HX)

Without Starter Stopper

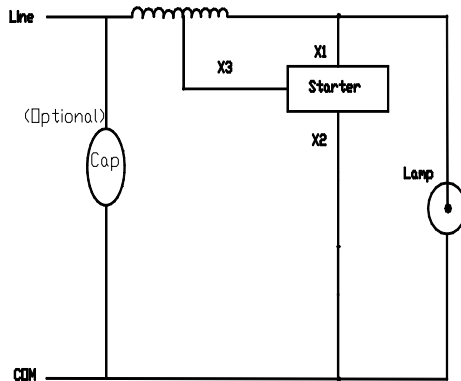


With Starter Stopper

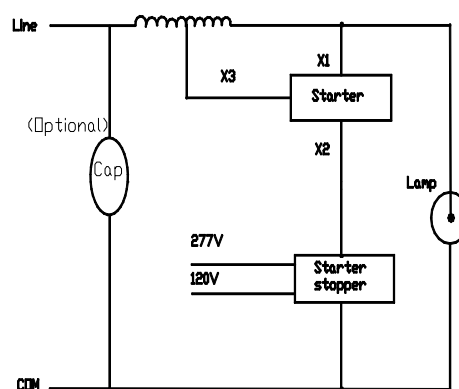


3. Reactor (R)

Without Starter Stopper



With Starter Stopper



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