the

LiteHawk

Active ES LIGHTING CONTROLS

Energy saving lighting control for street lights

ENVIRONMENTALLY SOUND:

- Reduces energy consumption of existing street lighting systems up to 20%
- Extends lamp life by up to 40% and ballast life up to 200% reducing the stress on our landfills
- RoHS compliant and 95% recyclable

SAFETY:

- Longer lamp life means fewer maintenance calls
- Maintains mean lumen output at or above rated specifications longer than uncontrolled lamps
- Virtually maintenance-free

VERSATILE:

- Designed to work with a wide variety of HID lamps including low and high pressure sodium, metal-halide, mercury vapor, pulse start, etc.
- Works on all magnetic ballasted, and passive-input electronic ballasted HID lamps - no need to R&R working fixtures
- Fast and easy installation

Active ES Lighting Controls, the leading innovator of energy saving controls for HID lighting, has developed patented technology that is not available from any other source. Designed specifically for outdoor street lights, this product creates **energy savings of up to 20%**.

The ***LiteHawk*** is a patented lighting power control that emulates an active ballast for use in single-phase, 120V or 240V, 3-wire lighting systems.

It is configured from the factory to achieve energy savings of 20% without changing existing fixtures. Additional settings may be used to achieve 8-10% or 13-15% savings if required by the site.

The system is designed for use with HID lamps such as high and low pressure sodium, metal-halide, mercury vapor, pulse start, etc., or a combination thereof.

It is designed for 20-plus years of virtually maintenance-free operation.

The ***LiteHawk*** is installed between the contractor/photo cell/time clock and the lighting fixtures. It is designed to supply full power to the lights for a period of time to allow the lamps to fully warm up and achieve full brightness. At the preset interval (no less than 15 minutes), the ***LiteHawk*** engages the energy savings mode without interupting the electricity being supplied to the lamps.

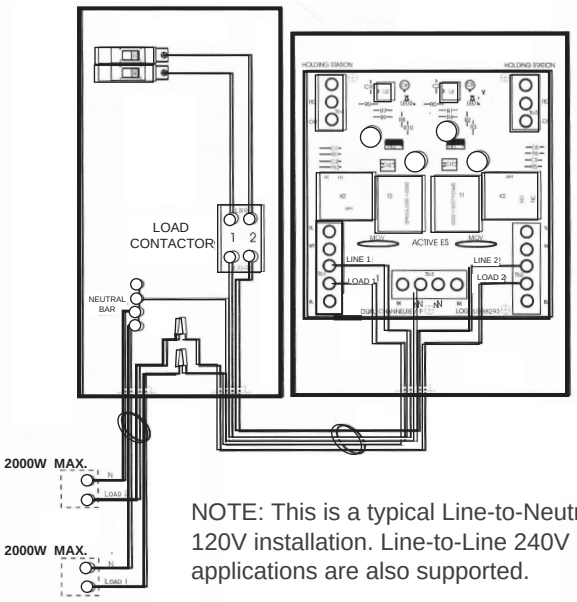
The ***LiteHawk*** has the added benefit of increasing lamp and ballast life as well as improving the mean lumen output over time, which results in additional cost savings.

Simply put: maintenance-free, easy to install, quick payback, environmentally-friendly, energy efficient, increased lamp and ballast life, stabilized lumen output...**guaranteed!**

Application

The ***LiteHawk*** is designed to work in conjunction with a string of street lights or similar applications.

The ***LiteHawk*** is an industry specific application of Active ES's E-Series lighting controls. For additional applications of this technology, go to www.ActiveES.com.



NOTE: This is a typical Line-to-Neutral 120V installation. Line-to-Line 240V applications are also supported.

Installation

The ***LiteHawk*** is engineered to be simple to install and use. It is installed between the contactor/photo cell/time clock and the lighting fixtures. It is completely self-contained requiring no outside components or elaborate installation procedures. In most cases using 120V, simply mount the unit either on the wall or on a pedestal, disconnect the Output 1 L oad conductor from the contactor and connect it to the Load 1 terminal of the ***LiteHawk***. Then repeat for Output 2 of the contactor. Next, take the Output 1 of the contactor and connect it to the Line 1 of the ***LiteHawk***. Repeat for the Output 2 from the contactor. Lastly, connect both of the ***LiteHawk*** Neutrals to your Neutral bar. The Neutral must always be connected to the Neutral terminals.

Specifications

Input Voltage: 120 Volt Line to Neutral or 240 Volt Line to Line

Input Current: 16.4 Amps, continuous

Input Frequency: 60 Hz

Enclosure: NEMA 3R
12.00 x 8.00 x 6.00 inches
305 x 203 x 152 mm
Padlock staple

Weight: 28.5 lbs.

Operating environment: -20° to +150° F;
0-90% humidity,
non-condensing.

Features:
- ½ cycle (8.3ms) line voltage detection to reset ignition mode per ANSI guidelines. (Version R1)
- Preset ignition time of 16 minutes
- Three energy settings to meet energy reduction and lumen output requirements

Listings: UL, CSA, Temperature Class A, (105c) File #E253753 UL916, UL508, CSA 205 maximum temperature rise after 24 hours continuous operation at full load 75c at 40c ambient.

Standards: NEMA, NEC, ANSI, ASTM, and RoHS

Savings Settings:
1. 16 - 22%
2. 14 - 18%
3. 10 - 14%

Construction:

Generous internal wiring spaces are provided for simple installation.

Terminal blocks are provided for the line, load and neutral connections.

All metal parts are either painted or plated to provide corrosion resistance.

Active ES Lighting Controls

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