

## **600W High Pressure Sodium User's Manual- HID HUT**

### **Features:**

1. This 600 Watt HPS ballast is capable of operating a 600 Watt High Pressure Sodium Bulbs.
2. The Digital Circuitry replaces the inefficient magnetic ballasts, and can reduce power consumption (current) up to 30%
3. The Digital Circuitry is designed to operate under unstable power conditions with an operating range from -25% power to +15% power, and the output wattage does not change! This means more protection from power outages or fluctuations.
4. The output voltage is regulated and stable, and the luminescence of the bulb is steady without "flames". This extends the life of your bulbs, and increases the performance.
5. The Digital Circuitry also has safety features. It can prevent accidents from open circuits- if there is an open circuit the ballast does not turn on. It goes into a standby mode for 10 minutes, at which point it checks for a closed circuit and tries again.
6. If the lamp does not fire- the ballast discontinues power, and attempts to fire the bulb only once every 10 minutes. Magnetic ballasts continue supplying full power to a bulb which is off- reducing the life of the bulb.

### **Ballast Installation and Usage:**

1. The ballast must be equipped with a 600W bulb- High Pressure Sodium only.
2. Ensure all connections between ballast and bulb are securely wired and insulated.
3. Plug ballast into any 120V wall outlet. It is a good idea to use a surge suppressor.
4. There are no on switches. When the ballast is plugged in it should be on.

### **Precautions:**

1. There is over 3KV voltage on the output wires, so the power must be off when installing ballast, repairing connections, plugging in bulbs or any maintenance.
2. If it is subjected to voltage outside it's suggested operating range it can become damaged.
3. It's normal operating temperatures are between -40 and +122 degrees Fahrenheit. If you exceed these temperatures in the vicinity of the ballast, the life of the ballast will be diminished.
4. Because of the character of gas lamps, they should only be restarted after having been given sufficient time to cool. The ballast automatically regulates this to ten minutes.
5. Ballast should not be exposed to water.

6. The ballast should not be used in the vicinity of any combustible or volatile materials.

**Warning:**

Disconnect line voltage before installing or replacing. Ballast case must be grounded.

**FCC Warning Statement**

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modification could void the user's authority to operate the equipment.

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 between 0.150 – 30 MHz