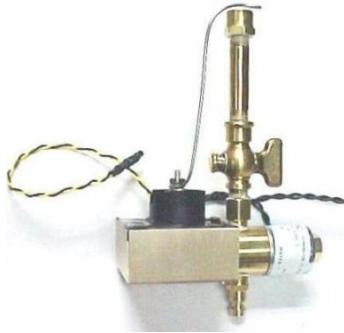


KNIGHTLIGHTER™ AUTOMATIC GASLIGHT IGNITERS



Cuts energy costs by automating your gaslight and keeping it off during daylight hours.

The KnightLighter™ was specifically designed to cut energy costs for running a gaslight by turning off the gaslight during daylight hours and automatically igniting the gaslight in the evening.

The original 24VAC Knightronix Model KN-A1 KnightLighter has passed testing by the American Gas Association according to American National Standards Institute (ANSI) specification Z21.42 1993.

If certification is required, please contact Knightronix.

BACKGROUND

In the 1960's over 60,000 gaslights were installed in the Twin Cities area. During the energy crisis in the early 1970's, a law made it illegal to burn gaslights in Minnesota. The law has been modified to allow gaslights to be used if they are kept off during daylight hours.



Since 1999 Knightronix has offered gaslight igniters allowing residential, commercial, and municipal customers to cut gas consumption in half by automatically igniting and operating the gaslights only at night.



RESIDENTIAL, COMMERCIAL, AND MUNICIPAL BENEFITS

1. Convenience – The gaslight can run automatically, shutting off during the daylight hours and igniting each evening.
 2. Conserve energy by keeping your gaslight off during the day.
 3. Save money by cutting your gas lighting costs in half!
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Shown installed in a copper lantern

SPECIFICATIONS FOR KNIGHTLIGHTER™ BATTERY OPERATED MODELS

BATTERY VERSION

Electrical Requirements:

Voltage: 6 VDC (4.5V to 6.75V)
Avg. Current: about 60 uA
Avg. Power: about 0.36 mW
Power input: Two 6" 22 AWG wires and battery pack.



Battery Options:

Alkaline 4xAA: 1-2 years.

Alkaline 4xC: 3-5 years.

Lithium 2xC: 3-5 years.

24 VAC VERSION

Power consumption: 2 W active.

~ 80 mA active current.

~ 10 mA ambient current.

Low voltage 24VAC for easy installation and safe operation.



OPTIONS AND SPECIFICATIONS

Operating Temperature:

- 20 to +165 F (-29 to +74 C)

Gas Consumption: Approximately 2100-3200 BTU per hour (depending on burner options).
Igniter works with either natural gas or propane.

Compact Size: The miniature igniter fits inside a lamp on the floor of the gaslight head.

2.2" x 2.1" x 2.3" sealed aluminum enclosure.
0.9" x 1.3" x 2.3" solenoid valve.

Gas solenoid valve ports:
1/8" NPT female input and output.

QuickConnect Gas Coupler:
allows easy installation and maintenance. 1/8" NPT Male input and output.

Burner options: The igniter works with either open flame or mantle gaslights. 3-mantle burner shown in center column photo.

Daylight photo-sensor: Allows the gaslight controller to detect daylight and keep the gaslight off from dawn until dusk.

Flame photo-sensor: Mantle gaslight igniter is fitted with a photo-sensor to detect burning mantles.

CONTACT INFORMATION

For ordering information please contact Knightronix or visit our web store at vulcanlighting.com. We also look forward to hearing from you if you are interested in becoming a distributor or dealer.



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