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HOW TO OPERATE THE 24 VAC KNIGHTLIGHTER™ IGNITER FROM A SWITCH

Some customers may wish to operate the gaslight during the day or from a switch only. Although not designed to operate in this mode, the KNA1 (with photo-sensors) can be set up to operate from a switch only.

Step 1: Tape up the day light sensor with black electrical tape so that it sees NO light, simulating nighttime.

Step 2: Place a 7/32 in diameter by 1.75 inch tube over the flame sensor with the end of the tube pinched to leave a hole of 1/16 inch diameter; this will restrict the light that reaches the sensor.

The sheath should be painted flat black internally. The flame shall enable the sensor but ambient daylight shall not enable the sensor. The flame sensor with sheath *must* be pointed directly at the yellow part of the flame (Or mantle) and pointed at the darker part of the top inside of the lantern when the flame is not lit (Daytime operation will not work reliably with a glass top lantern.)

It is possible, with the correct flame sensor alignment, to operate the gaslight using a switch only to turn it on and off.

FALLBACK CONDITION

1. Taping up the daylight sensor disables the daylight sensor and the sensor only detects darkness.
2. If no sheath is installed over the flame sensor or the sheath does not block enough ambient daylight, when the switch is ON, the gaslight will not light until night comes.
3. When dawn approaches the light will continue to burn unless the switch is turned OFF.
4. If the gaslight blows out during the day, it will not relight and will continue to dissipate gas as would a manual light.
5. If the switch is turned OFF (whether day or night) the gaslight and gas is turned off to the light. When darkness approaches, it will not relight unless the switch is turned ON.
6. The gaslight can be lit during the day by turning the switch OFF, covering the daylight sensor with black tape and then covering the flame sensor temporarily. Turn the switch ON and the gaslight will light; then immediately uncover the flame sensor to keep it lit.

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