



Conforms to
UL 217, UL 2034
Certified to UL C 5531
CSA 6.19

Multiple Station
Alarm Accessory
Strobe Light

Models SLW127 and SLW127CN
Super Bright Hardwired Smart LED Strobe



Read and Save!

Use this product according to the manual. This manual includes important information regarding installation and operation. Please retain this instruction manual for future reference.

Table of Contents:	Page #
General.....	2
Light Output.....	2
Wiring Diagram and Mounting.....	2
Current Draw.....	3
Mounting Options.....	4
Flash Patterns.....	5
Testing and Maintenance.....	5
Interconnection & Compatibility.....	5
F.C.C. Notice.....	6
Warranty.....	7
Product Returns.....	7

In Canada, wiring methods detailed shall be in accordance with CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations

In the USA the alarm wiring shall be in accordance with the provisions of Articles 210 and 300.3(B) of the National Electrical Code, ANSI/NFPA 70. According to the NFPA 72 / Ed. 2013; paragraph 29.6.3 Household Fire Alarm Systems /AC Primary Power Source: "AC primary (main) power shall be supplied either from a dedicated branch circuit or the un-switched portion of a branch circuit also used for power and lighting."

DANGER

ELECTRICAL SHOCK HAZARD: Attempting to disconnect the power connector from the strobe when the power is on may result in electrical shock, serious injury or death.

SPECIFICATIONS

Current Draw

NOTE: Candela will determine the current draw of the product. When calculating the total currents use Table 1 to determine the highest value of RMS current for an individual appliance, then multiply these values by the total number of appliances. Be sure to add the currents for any other appliances, including audible signaling appliances powered by the same source, and to include any required safety factors.

CAUTION: These appliances were tested to the voltage limits of 102-138VAC. Do not apply voltage outside of this range.

Table 1

PRODUCT SPECIFICATIONS	
Agency Approvals	Light Output meets: UL1971, ULC S526, UL1638
Environmental	Indoor Use Only 4.4° – 37.8° C 40° – 100° F 93% RH
Input Power	120 Volt AC, 60hz
Strobe Candela	177cd on axis
Current Draw	170mA

WARNING! Check the minimum and maximum AC line voltages and subtract the voltage drop from the circuit wiring resistance to determine the applied voltage to the strobes. The maximum wire impedance between strobes shall not exceed 10 ohms.

WARNING! Strobes are not designed to be used on coded systems in which the applied voltage is cycled on and off.

WARNING! Make sure the total (RMS) current required by all appliances that are connected to the AC system does not exceed the rated capacity or the current ratings of any fuses on the circuits to which these appliances are wired. Overloading power sources or exceeding fuse ratings could result in loss of power and failure to alert occupants during an emergency, which could result in property damage and serious injury or death to you and/or others.

CAUTION: Check that the installed product will have sufficient clearance and wiring room prior to installing electrical back boxes and conduit.

CAUTION: Do not over tighten mounting screws. Excessive torque can distort the mounting bracket and may affect operation.

General

USI Electric LED strobes are designed for easy installation. These models are for 120VAC operation. **IMPORTANT:** For wall mount installation only. Strobes are listed and approved for indoor applications only.

WARNING:

Please read these instructions carefully before using this product. Failure to comply with any of the following instructions, cautions and warnings could result in improper application, candela setting, installation and/or operation failure of this product in an emergency; which could result in property damage and serious injury or death to you and others.

WARNING:

This strobe will not sense smoke, heat, gas, carbon monoxide or flame. The alarm backup battery does not provide backup power for the strobe.

Replace the entire strobe if the lens is loose or broken. Do not remove the lens for any reason. Doing so can permanently damage the strobe and will void your warranty.

This strobe conforms to the visual signaling component requirements in 18.5.3. (Light, Color and Pulse Characteristics) of NFPA 72, "National Fire Alarm and Signaling Code.

Light Output

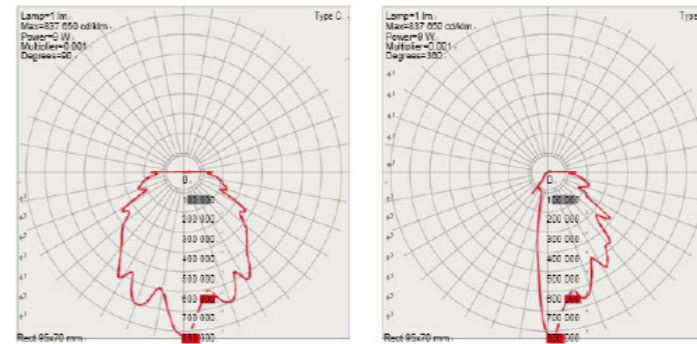


Figure 1: Horizontal and Vertical Optical Distribution Pattern

Wiring Diagram and Mounting

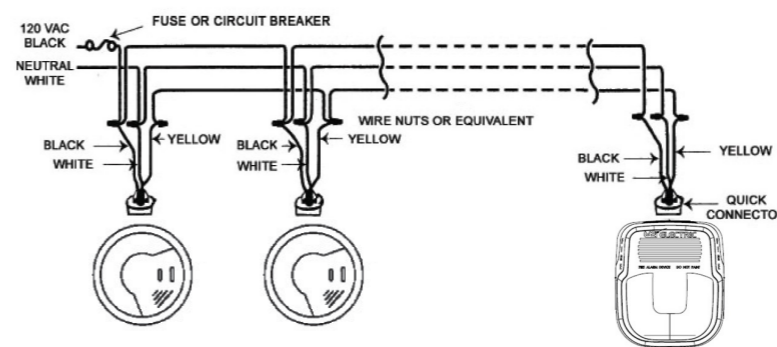


Figure 2: LED Strobe Wiring Diagram

Mounting Options

LOCATIONS TO AVOID

Bright light may reduce the visibility of the strobe light. Avoid direct sunlight or high ambient light areas. Installed Strobes should be at least 10 feet (3 meters) from showers, saunas, etc. Avoid humid, damp and steamy areas, especially bathrooms with showers. Avoid areas where the temperatures are below 40° F or above 100° F (4.4° C to 37.8° C) which includes porches, basements, unfinished attics, unheated buildings, or outdoor rooms. Avoid very dusty, dirty, or greasy areas. Do not install this strobe directly over a stove or range. Be sure to clean strobe more frequently if installed in a laundry room to keep it free of dust or lint. Do not install in insect infested areas. Electrical noise may interfere with the strobe, so be sure to install more than 12 inches (305 mm) away from fluorescent lights.

Installation Instructions

1. Connect field wiring to the 3-wire Quick Connector provided with this strobe.
 2. Pull the connector through the large mounting bracket opening, then install the mounting bracket to a standard 4" x 4" x 1 1/2" octagon electrical box with the provided #8-32x1/2" pan head machine screws as shown in Figure 3a.
 3. Insert the connector into the strobe, and dress the wires back to the back box.
 4. To mount the strobe on mounting bracket, twist the strobe in clockwise direction until it snaps on the mounting bracket as shown in Figure 3b.
 5. To remove the strobe, twist it in counter clockwise direction. Figure 3b
- NOTE:** For ease of installation, electrical back box must be recessed flush with the wall surface.
- IMPORTANT:** Device only has one mounting orientation. LED light element should be pointed towards ground as shown below in Figure 3b

Figure 3a: Installation on 4" Octagon Electrical Box

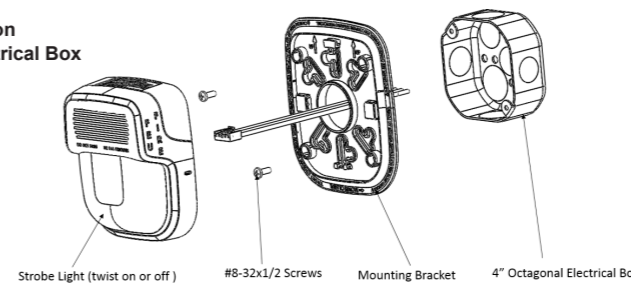
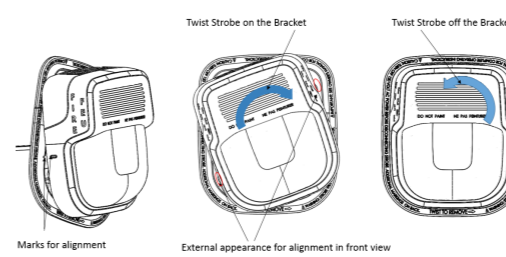


Figure 3b: Installation On and Off Mounting Bracket



WARNING: When installing strobes in an open office or other areas containing partitions or other viewing obstructions, special attention should be given to the location of the strobes so that their operating effect can be seen by all intended viewers. The intensity, number, and type of strobes shall be sufficient to ensure the intended viewer is alerted by proper illumination, regardless of the viewers' orientation.

On July 27m
this manual
1 hour worth

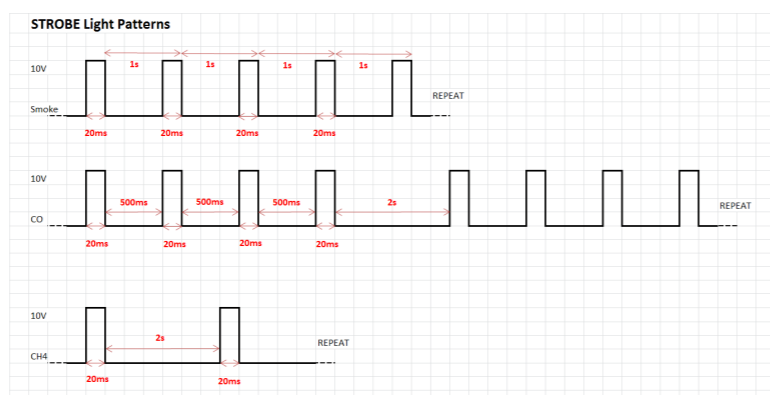
⚠WARNING!

This product is a visual notification device which provides for hazard signaling in specific detection scenarios, and is a known aid for those with hearing impairments or loss to quickly identify hazardous situations for which audible signaling may not suffice. If occupants are prone to photosensitive epilepsy, this visual notification device may cause seizures when activated.

Refer to the Epilepsy Foundation at HYPERLINK "http://www.epilepsy.com" to learn more about photosensitivity triggers.

Flash Patterns

There are 3 distinct flashing modes triggered by the interconnected alarm: Smoke, Carbon Monoxide (CO) and/or Natural Gas. **Smoke or Heat** = Steady Flash Every Second. **CO** = 4 Quick Flashes, 2 Second Pause. Repeating. **Natural Gas** = Steady Flash Every 2 Seconds. These unique flash patterns are intended to help a hearing-impaired person better distinguish the type of alarm danger signal. NFPA 72 (2016) §29.3.7 and §18.5.3.1 requires flash patterns between 1Hz - 2Hz. The flash rate of the natural gas hazard is less than 1 Hz, approximately 1/2 Hz.



Testing and Maintenance

⚠WARNING! This product is not a synchronized visual notification device. If more than one (1) device is located in a given sight area, these visual notification devices may cause seizures when activated for occupants who are prone to photosensitive epilepsy.

Refer to the Epilepsy Foundation at HYPERLINK "http://www.epilepsy.com" to learn more about photosensitivity triggers.

For additional information, you may refer to: Epilepsy Foundation

<https://www.epilepsy.com/learn/triggers-seizures/photosensitivity-and-seizuresTestingAndMaintenance>

Test Strobe Weekly:

Press test button on any interconnected alarm. Strobe should operate as follows:

Smoke or Heat = Steady Flash Every Second.

CO = 4 Quick Flashes, 2 Second Pause. Repeating.

Natural Gas = Steady Flash Every 2 Seconds.

Clean Strobe Monthly:

Wipe lens with damp cloth monthly. Do not use cleaning chemical or sprays.

Interconnection & Compatibility

Interconnected alarms can provide earlier warning than stand-alone alarms, especially if a hazard is present in a remote area of the dwelling. When alarms are interconnected, all alarms will sound when the initiating alarm sounds, providing more time to escape safely.

This strobe may be interconnected with a total of not more than 24 compatible devices, i.e. as many as 12 USI Electric model smoke alarms or smoke + carbon monoxide combination alarms or smoke + carbon monoxide + natural gas alarms; 6 other initiating alarms which may be a combination of USI Electric CO alarms and heat alarms, plus 6 other non-initiating devices such as USI Electric strobes or relay modules.

FOR THE USA MODELS:

This device can be interconnected with the following compatible alarms and devices: MDSCN111, MICN109, MCN108, 5304, MI106, MDS107, MP117, USI-2430, USI-960, MI106S, MIC1509S, MP116S, MPC122S, SLW127, USI-1204, USI-1103, USI-1208, USI-1209.

FOR THE CANADA MODELS:

This device can be interconnected with the following compatible alarms and devices: MDSCN111CN, MICN109CN, 5304CN, MI106CN, MDS107CN, MP117CN, MI106SCN, MIC1509SCN, MP116SCN, MPC122SCN, SLW127CN.

FOR USA PRIVATE LABEL MODELS:

This device can be interconnected with the following compatible models and devices: ESD022W, ESD033W, ESD004W, ESD055W, MSD022W, MSD033W, MSD004W, MSD055W, MSD001E, MSD077W, ESD077W, ESD079W, MSD079W, MPC122S, 5304, MDSCN111, MDS107, MICN109, MCN108, MI106, MDS107, MP116S, MP117, USI-1204, USI-1208, USI-1209, USI-2430, USI-960, MI106S, MIC1509S, SLW127.

When any one of these interconnected models goes into alarm, it will trigger the corresponding alarm within the interconnected system with respect to their sensing capabilities. Examples: Smoke alarms trigger other smoke alarms. Heat alarms trigger other heat alarms and smoke alarms. CO alarms trigger other CO alarms. Gas alarms trigger other gas alarms. Interconnected strobes will flash the appropriate pattern when the alarm triggers.

NOTE: The yellow wire is used only for interconnected (multiple station operations) USI Electric model alarms. Connecting this yellow wire to any other circuits may result in damage and device malfunction. All interconnected alarms must be powered from a single circuit.

If local codes do not specify, be sure the neutral wire is common to all alarms. The maximum wire run distance between the first and last alarm/device in an interconnected system is 1,000 feet. **NOTE:** Use standard household wire, 18 gauge or larger, rated at least 300V, as required by local codes. This wire is commonly available at most electrical supply and hardware stores. The resistance of the interconnect wiring shall be a maximum of 10 Ohms. Interconnected alarms should be within a single residence only.

F.C.C. NOTICE



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

TEN-YEAR LIMITED WARRANTY

Strobe Models SLW127 and SLW127CN

USI Electric, Inc./Universal Security Instruments, Inc. ("USI") warrants this product to be free from defects in material and workmanship for a period of ten (10) years from the date of purchase. This warranty applies only to the original consumer purchaser and only to products used in normal residential use and service. If this product is found to be defective, USI's only obligation, and your exclusive remedy, is the repair or replacement of the product, at USI's discretion, provided the product has not been damaged through misuse, abuse, accident, modifications, alteration, neglect or mishandling. This Warranty shall not apply to any product which is found to have been improperly installed, set-up, or used in any way not in accordance with the instructions supplied with the product.

PRODUCT RETURNS

For replacement of this strobe under the terms of this Warranty, contact the Customer Service Department at 800-390-4321 extension 238 to obtain the current postage and handling fees. **USI does not warrant, and specifically disclaims any warranty, whether express or implied, of fitness for a particular purpose, other than the warranty contained herein. No implied warranty on this product, created by state law, shall extend beyond the term of this warranty unless such law otherwise provides. USI specifically disclaims any liability and shall not be liable for any consequential or incidental loss or damage, including, but not limited to, damages to any equipment with which this product is used.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. No agent, representative, dealer, or employee of the company has the authority to increase or alter the obligations or terms of this Warranty. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state. This Warranty is only valid for merchandise purchased from outlets in the United States and Canada.



11407A CRONHILL DRIVE | OWINGS MILLS, MD 21117 USA
UsiElectric.com
For Service Call: 800.390.4321