SIEMENS

INSTALLATION INSTRUCTIONS
Models ILED-XC and ILED-XW

Intelligent Remote Lamps with Dual Isolators

INTRODUCTION

The Models ILED-XC (round plate), P/N S54370-B6-A1, and ILED-XW (rectangular plate), P/N S54370-B5-A1, Addressable Remote Lamps from Siemens Industry, Inc., shown in Figure 1. It operates as an additional tri-color LED indicator for a device in the device loop circuit of the Siemens Desigo and Cerberus PRO Fire Alarm Systems. The ILED-X can be used when a device already has an accessory. The ILED-X can be installed at any location of a device loop, and it remotely indicates the status of the device(s) in that same loop.

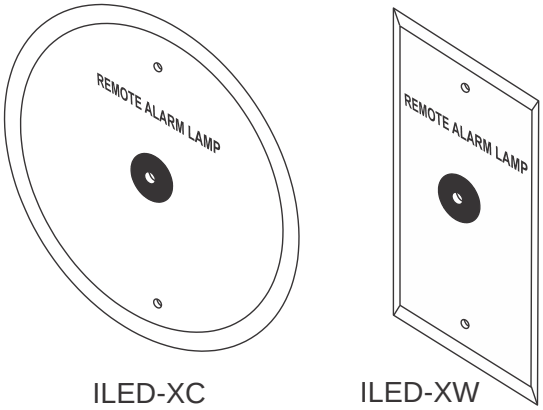


Figure 1
ILED-XC and ILED-XW Remote Lamps

MODE OF OPERATION

The ILED-X must have a unique address when it works in the device loop.

The ILED-X modules support two operation modes: polarity insensitive mode and isolator mode. The modules can be wired for either mode (refer to Figures 3 and 4). During the isolator mode, the built-in dual isolators will work at both sides of the module to isolate the line short in front or behind the module.

CONTROLS AND INDICATORS

The LED indicator is capable of flashing any one of three distinct colors: green, yellow, or red, based on logic in the system configuration tool.

ESD **Observe precautions for handling Electrostatic Sensitive Devices.**

NOTE: The system logic and programming determine when and what color the ILED-X will blink:

Flash Color	Condition	Flash Intervals (Seconds)
Green	Normal supervisory operation	10
Amber	Device is in trouble	4
Red	Alarm	1
No Flashes	No power or need to be replaced	-

PROGRAMMING

Refer to Figure 2 for the location of the programming holes:

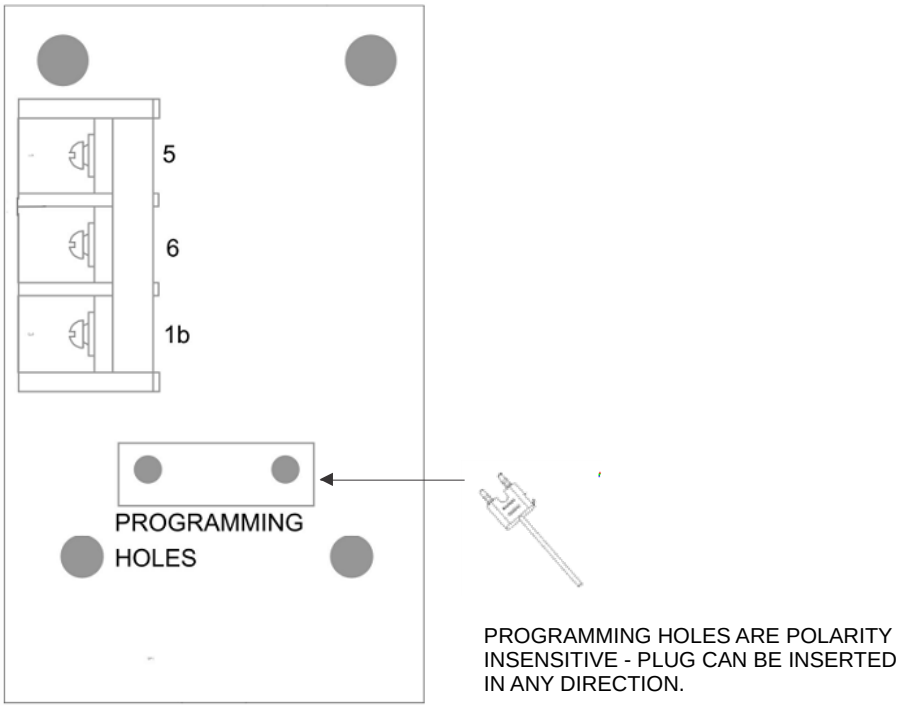


Figure 2
ILED-X Printed Circuit Board

To program the ILED-X, follow the steps listed below:

1. Determine a unique address for the ILED-X.
2. Connect the ILED-X to the DPU Device Programming Unit by inserting the plug from the DPU cable provided with the DPU into the programming holes on the ILED-X board at either direction (polarity insensitive).
3. Follow the instructions in the DPU Manual, P/N 315-033260, to program the ILED-X to the desired address. Record the device address on the label located on the back of the ILED-X front panel.
4. ***Siemens Desigo and Cerberus PRO Fire Alarm Systems:*** In the Configuration tool, assign the ILED-X to the output of a logic function. For further information, refer to the Configuration Tool manual of Siemens Desigo and Cerberus PRO Fire Alarm Systems.
5. The ILED-X can now be installed and wired to the system.

WIRING

CAUTION: Deactivate P2 circuit by either or both of the following: Using the PMI, bypass the circuit being modified, and/or physically disconnect the circuit from the P2 source.

Warning:
Disconnect BATTERY and AC prior to working on equipment.

NOTE:
The ILED-X modules support two operation modes: polarity insensitive mode and isolator mode. The module can be wired for either mode (refer to Figures 3 and 4).

During the isolator mode, the built-in dual isolators will work at both sides of the module to isolate the line short in front or behind the module.

During the polarity insensitive mode, switching Line1 and Line2 has no effect on performance.

Recommended wire size:
18 AWG minimum
14 AWG maximum
Wire larger than 14 AWG can damage the connector

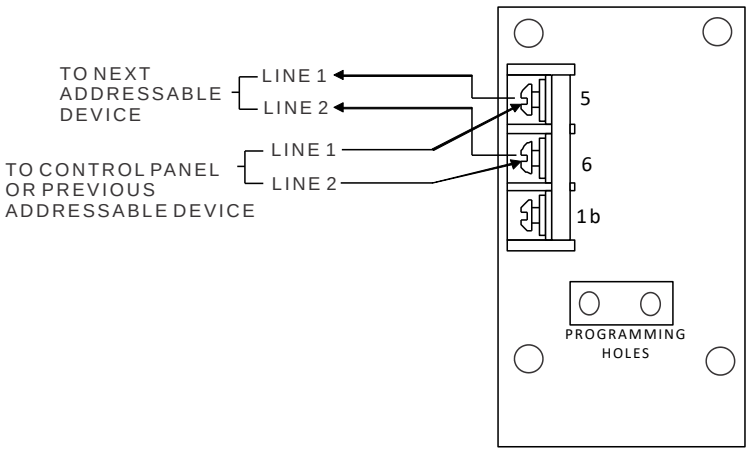


Figure 3
ILED-X polarity insensitive mode wiring

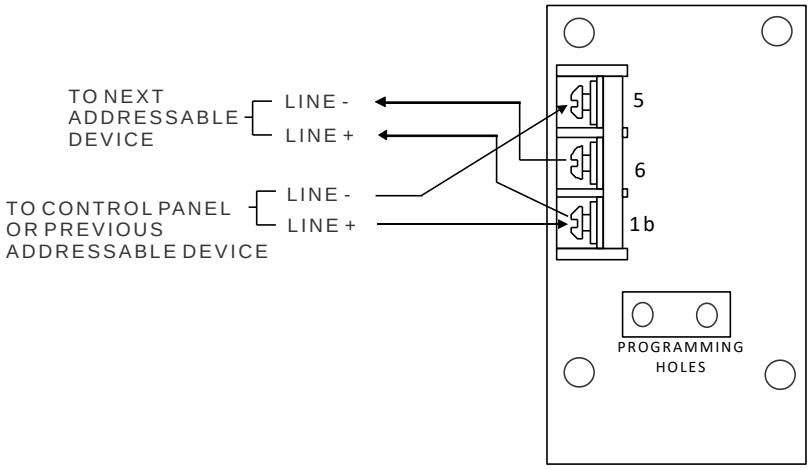


Figure 4
ILED-X isolator mode wiring

NOTES:

1. In the device line, up to 30 of any compatible devices in polarity insensitive mode with 20 ohms max line resistance can be isolated between two modules in isolator mode in a Class A Style 6 wiring.
2. In the device line, up to 30 of any compatible devices in polarity insensitive mode with 20 ohms max line resistance can be isolated behind one module in isolator mode in a Class B Style 4 wiring.
3. HLIM isolator module and SBGA-34 sounder base cannot be used in the same loop with the modules in isolator mode.

INSTALLATION

NOTE:
Be sure to program the ILED before installing the unit.

The ILED-X may be placed at any location on the device loop. Use a UL-listed/recognized single-gang switch box (user supplied) for mounting the ILED-XW. Use a UL-listed/recognized 4-inch octagonal conduit box (user supplied) for mounting the ILED-XC. Refer to Figures 5 and 6 for typical ILED-X installation.

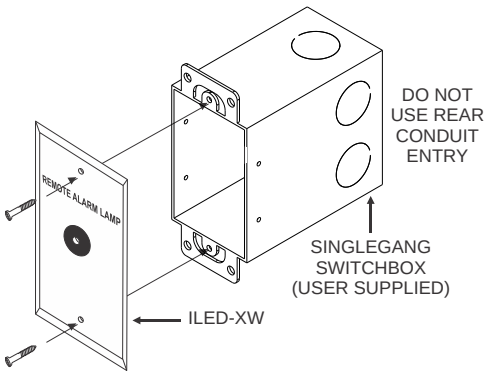


Figure 5
Mounting the ILED-XW

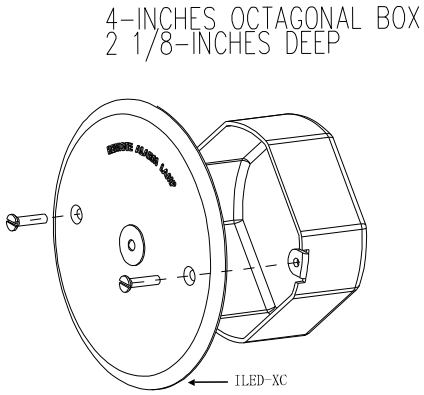


Figure 6
Mounting the ILED-XC

The number of ILED-X modules on the device loop must be included in the total count of intelligent field devices. For the restriction of the total number of devices in the device loop, refer to the device loop circuit of the Siemens Desigo and Cerberus PRO Fire Alarm Systems.

ELECTRICAL RATINGS

Operating Voltage	13 – 32 Vdc
Max. average current (RMS)	500µA

Cyber security disclaimer

Siemens provides a portfolio of products, solutions, systems and services that includes security functions that support the secure operation of plants, systems, machines and networks. In the field of Building Technologies, this includes building automation and control, fire safety, security management as well as physical security systems.

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art security concept. Siemens' portfolio only forms one element of such a concept. You are responsible for preventing unauthorized access to your plants, systems, machines and networks which should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. Additionally, Siemens' guidance on appropriate security measures should be taken into account. For additional information, please contact your Siemens sales representative or visit https://www.siemens.com/global/en/home/company/topicareas/future-of-manufacturing/industrial-security.html.

Siemens' portfolio undergoes continuous development to make it more secure. Siemens strongly recommends that updates are applied as soon as they are available and that the latest versions are used. Use of versions that are no longer supported, and failure to apply the latest updates may increase your exposure to cyber threats. Siemens strongly recommends to comply with security advisories on the latest security threats, patches and other related measures, published, among others, under https://www.siemens.com/cert/en/cert-security-advisories.htm.

FCC Statement

	**WARNING!**
	Installation and usage of equipment not in accordance with instructions manual may result in: Radiation of radio frequency energy Interference to radio communications • Install and use equipment in accordance with instructions manual • Read the following information

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications.

It has been tested and found to comply with the limits for a Class A computing device pursuant to Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment.

Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

Siemens Industry, Inc.
Smart Infrastructure
Florham Park, NJ

Siemens Canada, Ltd.
1577 North Service Road East
Oakville, Ontario
L6H 0H6 Canada

Document ID A6V101055484_en--_b
P/N A5Q00062950