

Installation Instructions
Models ILED-HC and ILED-HW

Intelligent Remote Lamps

INTRODUCTION

The Models ILED-HC (round plate) and ILED-HW (rectangular plate) Addressable Remote Lamps from Siemens Industry, Inc., shown in Figure 1, operate as an additional multi-color LED indicator for a device in the FireFinder-XLS/Desigo Fire Safety Modular/Cerberus PRO Modular System’s DLC or FS-250 System’s FS-DLC loop circuit. The ILED-H can be used when a device already has an accessory. The ILED-H can be installed at any location of a DLC/FS-DLC loop, and it remotely indicates the status of the device(s) in that same loop.

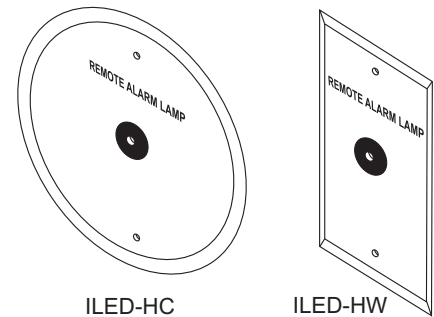


Figure 1
ILED-HC And ILED-HW Remote Lamps

Mode of Operation

The ILED-H has one mode of operation: Direct Addressing Mode. The two-position jumper P1 must be positioned to set the mode to Direct Addressing.

When set and programmed to Direct Addressing Mode, system logic and programming determine when (FireFinder-XLS/Desigo Fire Safety Modular/Cerberus PRO Modular and FS-250) and what color (FireFinder-XLS/Desigo Fire Safety Modular/ Cerberus PRO Modular only) the ILED-H will blink.

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 Zeus Tool. The blink color (red only) cannot be changed on the FS-250 System.



In Canada, ILED-Hs configured for Direct Addressing mode must be configured in the ZeusTool as follows:

Flash Color	Usage
Red	Alarm
Yellow	Supervisory
Yellow	Trouble
Green	Normal

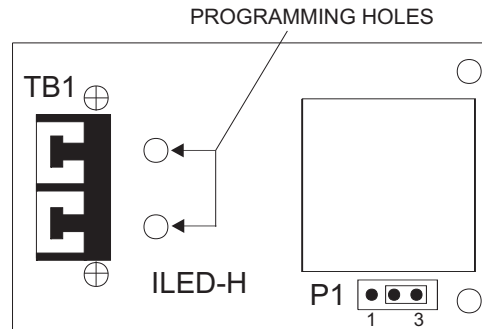


Figure 2
ILED Printed Circuit Board

Direct Addressing Mode

To set the ILED-H to Direct Addressing Mode follow the steps listed below:

1. Determine a unique address for the ILED-H.
2. Set jumper P1 to position 2 and 3.
3. Connect the ILED-H 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-H board.
4. Follow the instructions in the DPU Manual, P/N 315-033260, to program the ILED-H to the desired address. Record the device address on the label located on the ILED-H front panel.
5. **FireFinder-XLS/Desigo Fire Safety Modular/Cerberus PRO Modular System:** In the Zeus Programming Tool, assign the ILED-H to the output of a logic function. For further information, refer to the Zeus Quick Start Manual, P/N 315-033875.
FS-250 System: In the FS-CT2 Programming Tool, assign the ILED-H to an output zone. When an Input Group that is assigned to that Output Zone reports an off-normal event, the ILED-H will blink red if the reported event type matches the output type selected for its zone. For further information, refer to the FS-250 Programming Manual, P/N 315-049403.
6. The ILED-H can now be installed and wired to the system.

WIRING



Disconnect BATTERY and AC prior to working on equipment.

Refer to the wiring diagram in Figure 3 below to wire the ILED-H.



The ILED-H is polarity insensitive. 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.

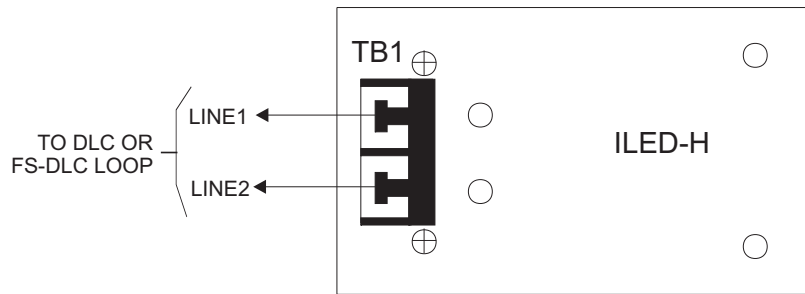


Figure 3
Wiring The ILED-H

INSTALLATION



Be sure to program the ILED before installing the unit.

The ILED-H may be placed at any location on the DLC or FS-DLC loop. Use a single-gang switch box (user supplied) for mounting the ILED-HW. Use a 4-inch octagonal conduit box (user supplied) for mounting the ILED-HC. Refer to Figure 4 for typical ILED-H installation.

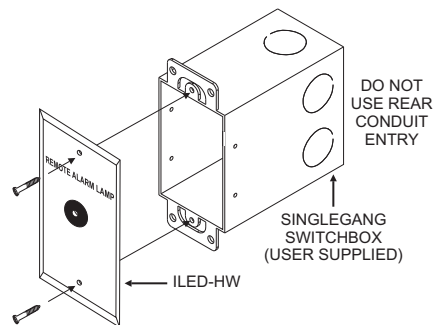


Figure 4
Mounting The ILED-HW

The number of ILED-H modules on the DLC/FS-DLC loop must be included in the total count of intelligent field devices. For the restriction of the total number of devices in the DLC loop, refer to the DLC Installation Instructions, P/N 315-033090. For the restriction of the total number of devices in the FS-DLC loop, refer to the FS-250 Installation, Operation and Maintenance Manual, P/N 315-049353.

ELECTRICAL RATINGS

DLC / FS-DLC Loop	
Max. Current	1mA

Cyber security disclaimer

Siemens products and solutions provide security functions to ensure the secure operation of building comfort, fire safety, security management and physical security systems. The security functions on these products and solutions are important components of a comprehensive security concept.

It is, however, necessary to implement and maintain a comprehensive, state-of-the-art security concept that is customized to individual security needs. Such a security concept may result in additional site-specific preventive action to ensure that the building comfort, fire safety, security management or physical security system for your site are operated in a secure manner. These measures may include, but are not limited to, separating networks, physically protecting system components, user awareness programs, defense in depth, etc.

For additional information on building technology security and our offerings, contact your Siemens sales or project department. We strongly recommend customers to follow our security advisories, which provide information on the latest security threats, patches and other mitigation measures.

<http://www.siemens.com/cert/en/cert-security-advisories.htm>