

SLC-IM

Signaling Line Circuit Integration Module



Network Systems

General

The Signaling Line Circuit-Integration Module (SLC-IM) provides a communication link between a VESDAnet network and a Fire Alarm Control Panel (FACP) SLC loop via the High Level Interface (HLI) VHX-1420-HFS. It allows mapping of alarms and faults from VESDA detectors onto FACP monitor module addresses. The SLC-IM translates VESDAnet protocol to SLC protocol, enabling VESDA detector events on the VESDAnet to be annunciated by an FACP.

Features

The SLC-IM:

- Communicates with the VESDAnet via an RS-232 connection.
- Supervises the connection to the VHX-1420-HFS HLI.
- Provides 159 FlashScan® monitor module addresses that can be mapped to events from VESDA detectors using the SLC-IM configuration tool.
- Provides individual alarm annunciation from VESDA-E VEA detector addressable sampling points.
- Uses seven user-defined FlashScan monitor module addresses for each programmed VESDA detector plus one additional monitor module address for VESDAnet wiring fault.
- Supports up to 22 VESDA detectors on one SLC loop.
- Supports Style 4 and Style 6 configurations on the VESDAnet network.

NOTE: The SLC-IM cannot monitor VESDA devices with addresses higher than 247.

Compatibility

The SLC-IM interface is listed with ONYX® Ninth edition panels:

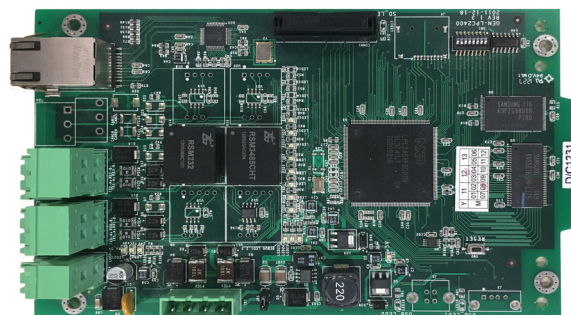
- NFS2-3030.
- NFS2-640.
- NFS-320.

The SLC-IM is compatible with the following VESDA detectors:

- VESDA VLC.
- VESDA VLF.
- VESDA VLI.
- VESDA VLP.
- VESDA VLS.
- VESDA-E VEA.
- VESDA-E VEP.
- VESDA-E VEU.

Specifications

- **Power input:** 24 VDC. Input current: 100 mA @ 24 VDC.
 - The SLC-IM must be powered by a UL1481 and/or UL 864 listed, regulated, power-limited, battery-backed, 24 VDC power supply.
 - For Canadian installation, the SLC-IM must be powered by a ULC-listed, regulated, 24 VDC power output, Fire



SLC-IM-cov.jpg

SLC-IM

Alarm Control Unit; or a ULC-listed, regulated, 24 VDC power supply for fire application.

- **Temperature:** 0°C to 49°C (32°F - 120°F).
- **Relative Humidity:** 93 ±2% non-condensing at 32 ±2°C (90 ±3°F).

NOTE: It is recommended that this product be installed in an environment with a normal room temperature of 15-27° C (60-80° F).

Standards and Codes

The SLC-IM complies with the following standards and requirements:

- **NFPA 72** National Fire Alarm Code.
- **UL 864, 9th Edition:** Control Units for Fire Alarm Systems.
- **UL 2017, 1st Edition:** General Purpose Signaling Devices and Systems.
- **CAN:** ICES-003, CSA C22.1.
- **CAN/ULC S527-11, 3rd Edition:** Standard for Control Units for Fire Alarm Systems.
- **ULC:** S524-06, S561-03.

Listings and Approvals

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL / ULC:** S635.

Ordering Information

EQUIPMENT ORDERED FROM NOTIFIER

SLC-IM: Signaling Line Circuit-Integration Module. Includes circuit board and RS-232 cable (PN 75583) for connection to PC. Download the SLC-IM Configuration Tool from www.magni-fire.com.

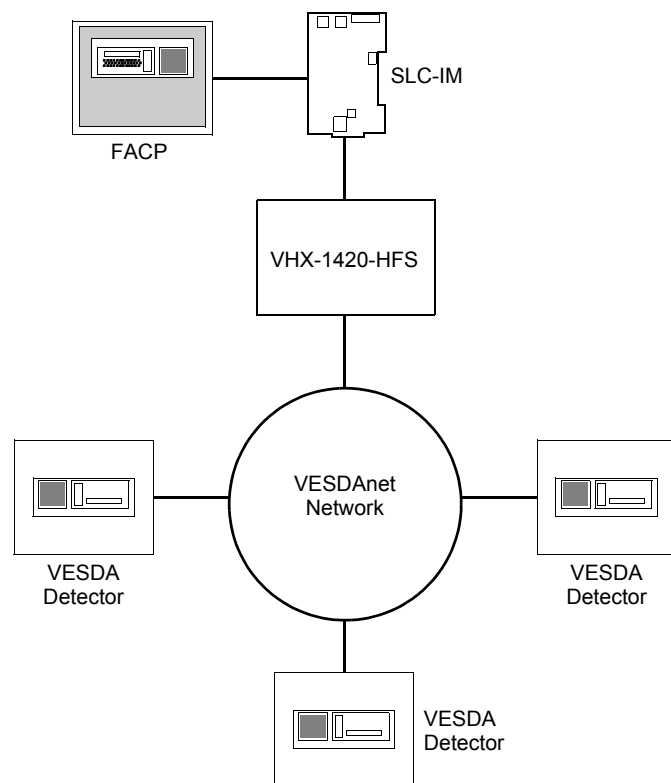
VHX-1420-HFS: VESDAnet Network Interface Card. (See DN-60753.) Includes DB-9 cable for connection to SLC-IM.

UBS-1B, UBS-1R: Cabinet required for SLC-IM. Order UBS-1B for black; UBS-1R for red. Dimensions: 12.22" L X 9.23" W X 2.75" H (31.04 cm L X 23.44 cm W X 6.99 cm H).

For detailed information about required components, see the SLC-IM Programming and Operation Manual and the SLC-IM Listing Document.

EQUIPMENT SUPPLIED BY CUSTOMER

Computer with available COM port on which to run the SLC-IM configuration tool.



SLC-IM System Architecture

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