



THE POWER OF **CONNECTED**

SK-NIC

Network Interface Card Product Installation Document

1 SK-NIC Network Interface Card

The SK-NIC Network Interface card is used when networking a group of FACP's. The SK-NIC is used to link the panels together. Installation and wiring of this device must be done in accordance with NFPA 72 and local ordinances.

2 Compatibility

The SK-NIC is compatible with the following Honeywell Silent Knight and Farenhyt Series FACP's:

- IFP-2100/ECS
- IFP-300/ECS
- IFP-75
- 6820/6820EVS
- 6808
- 6700

For programming and addressing, refer to Networking / Common Communication link section of the FACP Installation manual.



NOTE: The SK-NIC provides a common communications link for 6700, 6808, and 6820/6820EVS. These panels cannot be linked together for peer-to-peer networking.

3 Specifications

Standby Current: 21mA

Alarm Current: 21mA

Operating Voltage: 24VDC

Operating Temperature: 32°F to 120°F (0°C to 49°C)

4 Layout & Mounting

The SK-NIC can be mounted within the FACP cabinet (except with IFP-75 or 6700) or in accessory cabinet 5815RMK. Up to two SK-NIC cards can fit inside the 5815RMK.

The SK-NIC-KIT is an accessory cabinet kit containing an SK-NIC card, a small cabinet with door, a 6-pin cable and mounting hardware. Refer to installation sheet P/N LS10171-001SK-E for more information. Up to two SK-NIC cards can fit inside the SK-NIC-KIT.

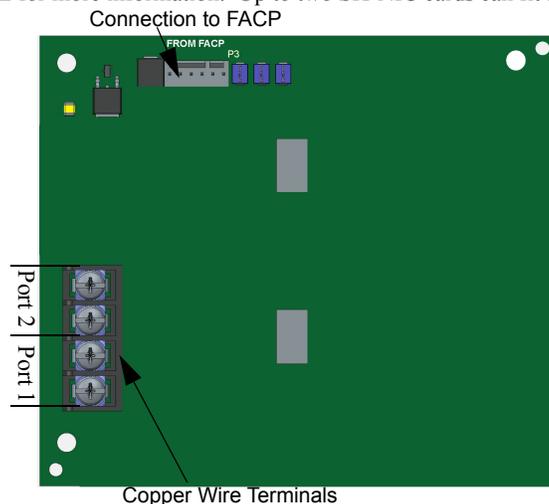


Figure 1.1 View of SK-NIC

5 SK-NIC Installation

Refer to the following steps to properly connect the SK-NIC to the FACP port using the supplied 6-pin cable.

1. Place the SK-NIC on one of the SLC expander standoff sets.
2. Using 6-pin cable, connect one end to the FACP pin connector labeled “Data Network” and the other end to the SK-NIC card P3 connector. See Figure 1.2.

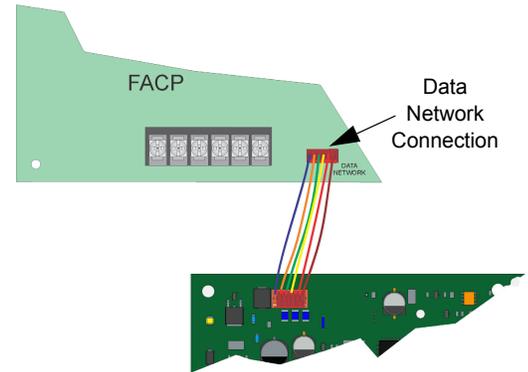


Figure 1.2 Panel to SK-NIC Connection

6 To Mount the SK-NIC Remotely

Follow the steps above except the 6-pin cable that runs from the SK-NIC to the FACP must be run in conduit. Refer to Figure 1.3 when using the SK-NIC-KIT or 5815RMK.

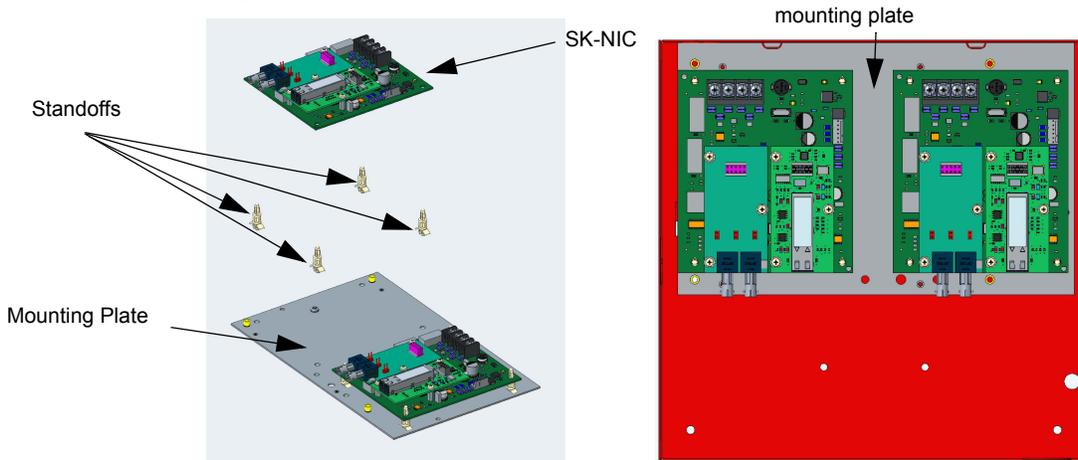


Figure 1.3 Mounting the SK-NIC in the SK-NIC-KIT or 5815RMK



NOTE: For more information, see the FACP installation manual.

7 Fiber Loop Modules

The SK-NIC connects to other networked units using unshielded, twisted-pair wiring or fiber optic cable.

The SK-FML (Fiber-Optic Multi-Mode) and SK-FSL (Fiber-Optic Single-Mode) are plug-in fiber loop modules. The two types of fiber optic modules are used as one channel to transmit or receive communications with the SK-NIC, ARCNET communication circuit.

The following two types of fiber optic modules are available:

- The SK-FML is a fiber module that allows the multi-mode fiber to network between nodes.
- The SK-FSL is a fiber module that allows the single-mode fiber to network between nodes.

For more information on SK-FML and SK-FSL, see installation sheet P/N LS10178-001SK-E.

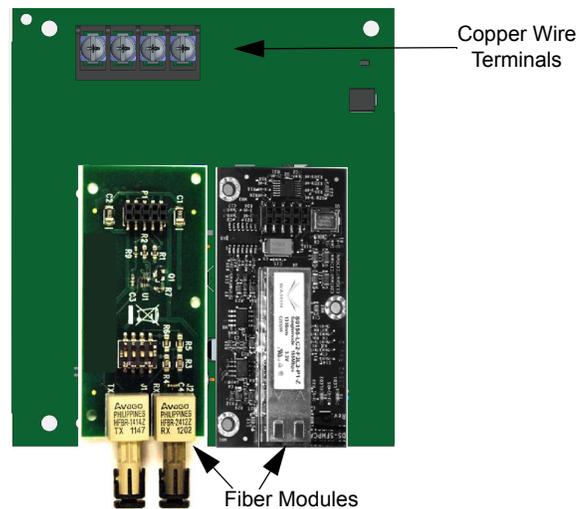


Figure 1.4 SK-NIC Fiber Loop Modules or Wire Terminals

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