Honeywell SK-NIC Network Interface Card Instruction Manual

Honeywell SK-NIC Network Interface Card Instruction Manual

Contents

Description

The SK-NIC Network Interface Card is used when networking a group of Fire Alarm Control Panels (FACPs). It is used to link the panels together.

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

Compatibility

The SK-NIC is compatible with the following Honeywell Silent Knight and Farenhyt Series FACPs. For information on programming and addressing, refer to the Networking / Common Communication link Section of the FACP Installation Manual

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

Specifications

- **Standby Current**: 21mA
- **Alarm Current**: 21mA
- **Operating Voltage:** 24VDC
- **Operating Temperature:** 32°F to 120°F (0°C to 49°C)

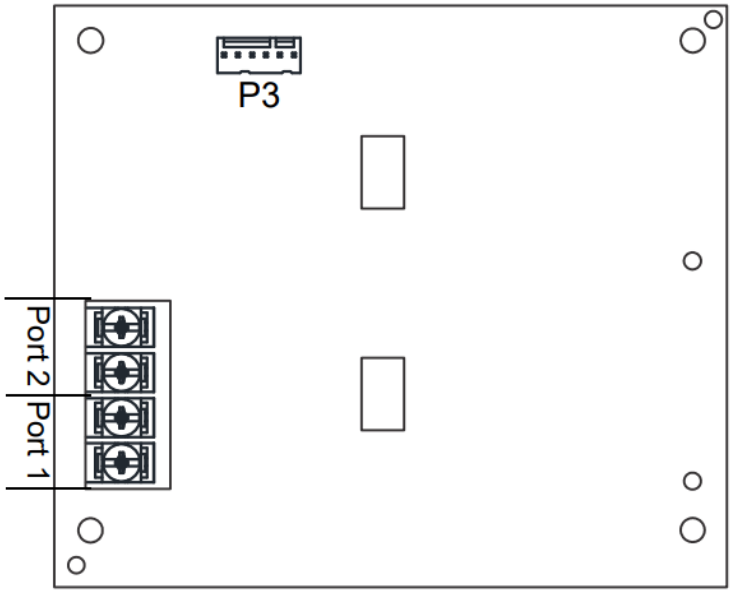
Installation

Layout and Mounting

The SK-NIC can be mounted within the FACP cabinet (except for the IFP-75 or 6700), in a 5815RMK accessory cabinet, or in a SK-NIC-KIT cabinet. Up to two SK-NIC cards can fit inside the 5815RMK. Refer to the 5815RMK Installation Document, P/N 151391.

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. Up to two SK-NIC cards can fit inside the SK-NIC-KIT. For more information, refer to the SK-NIC-KIT Installation Document P/N LS10171-001SK-E.

connection to FACP
Figure 1 SK-NIC Board



Installation

NOTE: Installation and wiring of this device must be done in accordance with NFPA 72 and local ordinances.

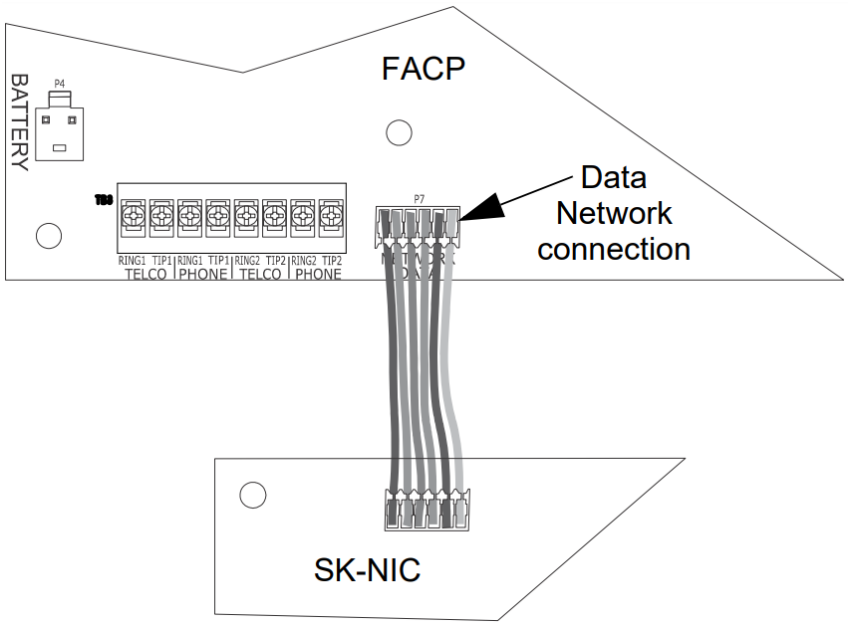
Refer to the following steps to properly connect the SK-NIC to the FACP port using the supplied 6-pin cable.

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

SK-NIC Remote Mounting

Follow Steps 1 and 2 above except the 6-pin cable that runs from the SK-NIC to the FACP must be run in conduit. Refer to the SK-NIC-KIT or 5815RMK Installation Document.

FACP may have a different layout.
Figure 2 Panel to SK-NIC Connection



Fiber Loop Modules

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

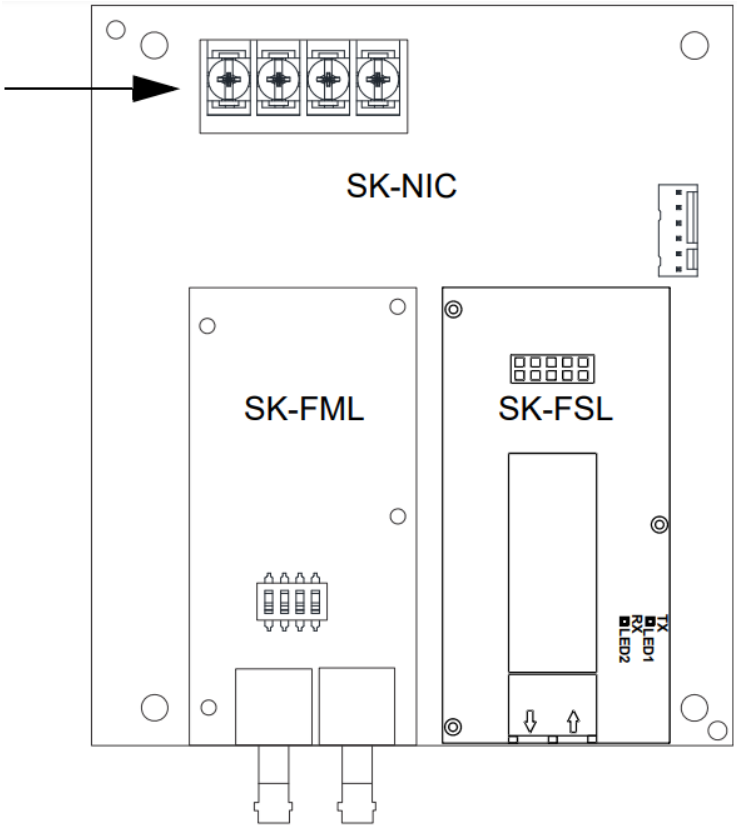
The following two types of fiber-optic modules are available:

- 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.

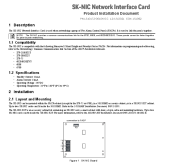
For more information on the fiber modules, refer to the SK-FML and SK-FSL Installation Document P/N:LS10178-001SK-E

Figure 3 SK-NIC Fiber Loop Modules Mounted on SK-NIC

- terminal for connecting to other units using copper wire instead of fiber modules



Documents / Resources

	Honeywell SK-NIC Network Interface Card [pdf] Instruction Manual 6700, 6808, 6820-6820EVS, SK-NIC Network Interface Card, SK-NIC, Network Interface Card, Interface Card, Card

References

- User Manual