Honeywell

12 Clintonville Road, Northford, CT 06472-1610 USA
203-484-7161 • FAX 203-484-7118 •

SK-NIC Network Interface Card Product Installation Document

PN LS10172-001SK-E:A 07/01/2017 ECN 16-0218

SK-NIC Network Interface Card

The SK-NIC Network Interface card is used when networking a group of FACPs.You must use the SK-NIC to link the panels together.

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

Compatibility

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

- 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 or 6820EVS. These panels cannot be linked together for peer-to-peer networking.*

Specifications

Standby Current: 21mA

Alarm Current: 21mA

Operating Voltage: 24VDC

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

Layout & Mounting

The SK-NIC can be mounted within the FACP cabinet (except with IFP-75 or 6700) or in the SK-NIC-KIT accessory cabinet. Accessory cabinets include the SK-NIC, small cabinet with door, cable, and mounting hardware.

The SK-NIC-KIT accessory kit is available to install the SK-NIC outside of the FACP cabinet.

See Installation sheet P/N LS10171-001SK-E.

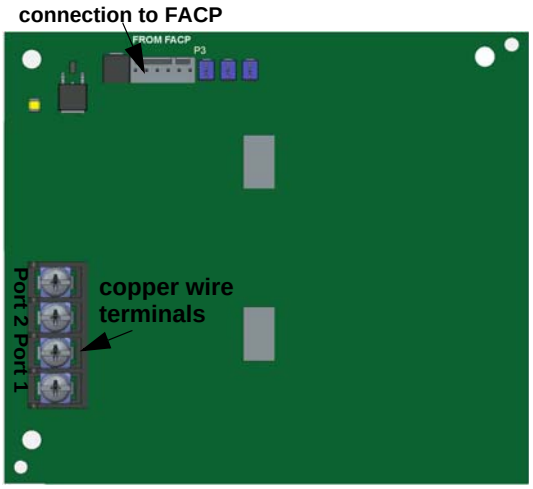

Figure 1: View of SK-NIC

SK-NIC Installation

Use the following steps to properly connect the SK-NIC to the FACP port using the supplied 6-pin cable P/N130372-L8.

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 on labeled “Data Network” and the other end to the SK-NIC card P3 connector. See Figure 2.

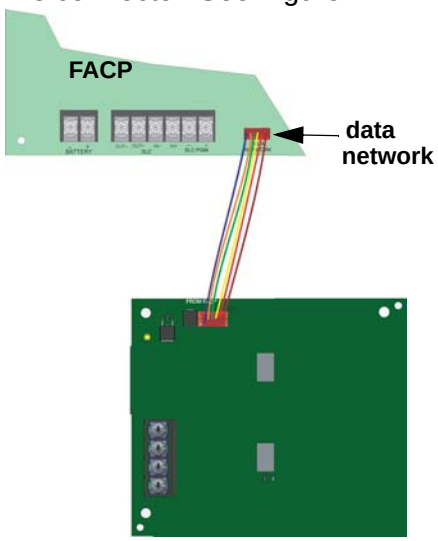

Figure 2: Panel to SK-NIC connection

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.

Note: *For more information, see the FACP installation manual.*

Fiber Loop Modules

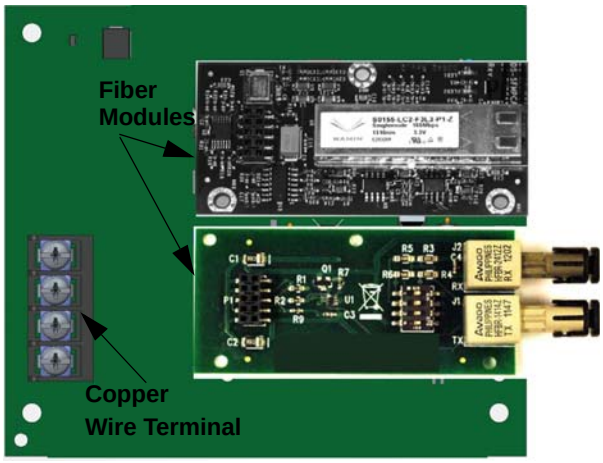

Figure 3: SK-NIC Fiber Loop Modules or Wire Terminals

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 describe the two types of fiber optic modules:

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

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