SK-NIC

Network Interface Card

> The SK-NIC Network Interface Card is an optional component for use with Farenhyt™ Series fire alarm control panels. It allows the subassemblies to connect to the broadband network from remote locations.

Farenhyt panels can be networked together using the SK-NIC to create a virtual system with a combined point capacity. Up to 32 panels can be added to a network. The network architecture provides true peer-to-peer capability allowing network survivability for all hardware, which remains operational in the event of a partial system failure.

The SK-NIC card comes standard with network connections using unshielded, twisted-pair, copper wire. For fiber optic networks, optional single-mode and multi-mode fiber-optic network add-on modules are available.

COMPATIBILITY

The SK-NIC Network Interface Card is compatible with the following Farenhyt Series FACPs:

- IFP-2100
- IFP-2100B
- IFP-2100ECS
- IFP-2100ECSB
- IFP-300
- IFP-300B
- IFP-300ECS
- IFP-300ECSB
- IFP-75
- IFP-75B

FEATURES AND BENEFITS

- UL listed. Complies with UL 864, 10th Edition; UL 2572, 2nd Edition
- Complies with NFPA 72 standard
- CSFM, FDNY, and FM approved
- Provides the capability for networked FACPs to connect in Class A or Class B configurations

- Offers standard unshielded twisted pair copper wire network connections
- Provides connectors for optional single or multi-mode fiber-optic cables
- Can be mounted within the FACP cabinet (except with IFP-75)

- Accessory kit is available for installing the SK-NIC outside of the FACP cabinet
- Includes 625K baud ARCNET repeater

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SK-NIC TECHNICAL SPECIFICATIONS

PHYSICAL

Dimensions:

4.15" H x 4.80" W
(10.54 cm x 12.2 cm)

Weight: 2.56oz (72.6g)

ENVIRONMENTAL

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

Humidity: 0% to 93% relative humidity
(noncondensing)

ELECTRICAL

Operating Voltage: 24VDC

Standby Current: 21mA

Alarm Current: 21mA

WIRING

Copper Wire: 16 to 18 AWG twisted-pair,
unshielded Up to 3,000 ft. (914.4 m)
between each node

Fiber-Optic Cable: (SK-FML only) Up to
200 microns optimized for 62.5/125
microns. Up to 8 dB loss between nodes

Fiber-Optic Cable: (SK-FSL only) Optimized
for 9/125 micrometer cable @ 1310 nm. Up
to 30 dB loss between nodes

ORDERING INFORMATION

SK-NIC: Network Interface Card

ACCESSORIES

SK-NIC-KIT: Accessory kit for installing the
SK-NIC outside of the FACP cabinet
Includes cabinet and one SK-NIC Network
Card.

SK-FML: Fiber Module, multi-mode

SK-FSL: Fiber Module, single-mode

Note: Refer to SK-FML / SK-FSL datasheet
351624 for additional information.

STANDARDS AND CODES

The SK-NIC complies with the following
standards/codes:

- UL 864, 10th Edition: Standard for Control
  Units for Fire Alarm Systems
- UL 2572, 2nd Edition: Standard for Mass
  Notification Systems
- NFPA 72 National Fire Alarm and Signaling
  Code

AGENCY LISTINGS AND APPROVALS

- UL Listed: S2766
- FDNY: COA # 6017, 6122, 6198, 6296A,
  6299, 6302A, 6304
- CSFM Approved
- FM Approved

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