R4KNIM

MODEL: R4KNIM — NETWORK INTERFACE MODULE

FEATURES

- Data & audio control for one (1) K-bus connection
- Four (4) LED diagnostic/status LED indicators
- Continuously supervises local consoles and corridor lights for power and signal
- Stores local console, corridor light, and station configurations
- RJ connectors for easy service

SPECIFICATIONS

Power Requirements: 15.5 V DC @ 0.5A

Network Capacity: Twenty-five (25) interconnected modules

Individual Node Capacity: Twenty (20) total consoles (up to 10 LCD consoles), one hundred fifty (150) corridor lights, six hundred (600) audio stations, and one thousand five hundred (1500) non-audio stations

Weight: 2.50 lbs. (1.13 kg)

Housing & Finish: Black metal enclosure w/white nomenclature

Size: W: 7.75" (19.69 cm)
H: 11.50" (29.21 cm)
D: 1.13" (2.87 cm)

Terminations: One (1) X-bus connector (RJ 45)
One (1) diagnostics connector (RJ 45)
One (1) K-bus connector (plug-on)
One (1) power connector (screw terminal)

Backbox Requirements: Rauland NC2828 Terminal Cabinet

Controls: X-bus DIP switch address
X-bus status LED
K-bus LED
Diagnostics LED
Power LED

Certification: UL/C-UL 1069
FCC Part 15 Class A

DESCRIPTION

The R4KNIM is the data, audio, and configuration hub for one (1) K-bus connection. The R4KNIM routes bi-directional data and audio to associated consoles, corridor lights, and stations.

Configuration information for local consoles, corridor lights and stations is contained in the module's memory. All NIM troubleshooting/configuration programming is accessed from a single diagnostic port using R4KSPA. In the event of a power failure all configuration and operating system information is maintained.

To ensure every component of the Responder 4000 system is operational the R4KNIM continuously supervises all local consoles and corridor lights for both power and signal faults. In the event of a power failure, an optional battery backup permits the RK4NIM to maintain full operation during the time required to switch to auxiliary power. The X-bus also interconnects the R4KNIM to the R4KPIP — Peripheral Interface Port for pocket paging, management software. The K-bus interconnects the R4KPLI — Phone Line Interface for wireless telephone integration.

ASSOCIATED EQUIPMENT

R4KPR400 — Power Supply

NC2828 — Terminal Cabinet

R4KTMB — Termination Board

Architects and Engineers Specifications available on disk. Specifications subject to change without notice.

Rauland-Borg Corporation
3450 West Oakton Street • Skokie, IL 60076-2958 • (847) 679-0900 • (847) 679-4106 Fax • www.rauland.com
In Canada: 4025 Sladeview Crescent, Units 4-6 • Mississauga, ON CANADA L5L 5Y1 • (905) 607-2335 • (905) 607-3554 Fax