

Model: NCDATA Data Interface Module



Features

- Provides Responder[®] Network Interface to:
 - Pocket page encoder (TAP/PET protocol standard)
 - Management software
 - Local Responder network programming & diagnostics
 - Telephone modem for remote Responder network programming & diagnostics
- Includes PC software package for Responder network configuration
- Diagnostic/status LED indicators
- RJ connectors for easy installation & service
- Self-contained unit

Specifications

Power Requirements: 14V DC @ 0.5A

Weight: 5 lbs. (2.3 kg)

Size: W: 7³/₄" (19.7 cm)
H: 11³/₈" (28.9 cm)
D: 2" (5.1 cm)

Housing and Finish: Black metal enclosure w/white nomenclature

Terminations: One (1) X-bus RJ connector, one positive plug-on power connector, and two (2) 9-pin (DB9) RS-232 connectors

Capacity: Two (2) RS-232 ports

Backbox Requirements: Rauland NC2828 Terminal Cabinet

Controls: X-Bus DIP switch address, X-Bus status LED, three (3) RS-232 port status LEDs per port, and Data Interface Module status LED

Certification: UL/C-UL 1069

Description

The NCDATA Data Interface Module is the direct data interface between the Responder[®] Network and outside systems. Each self-contained Data Interface Module provides two RS-232 ports which can be configured independently to interface to: a pocket page encoder, a local pc running NCSMSW Management Software, a local pc running the Responder R4CONFIG.EXE application, and/or a telephone modem for remote Responder Network access from a pc running the Responder R4CONFIG.EXE application. Up to three Data Interface Modules can be interconnected via the X-bus as part of a Responder Network to provide up to six independent RS-232 port interfaces.

When an RS-232 port on the Data Interface Module is configured to interface with an in-house pocket page encoder, the port will support the TAP/PET protocol standard. This pocket page interface provides such features as the ability to automatically route patient calls (room/bed number and call priority) to staff member's pager(s) assigned to that patient, for the Nurse Console operator to screen patient calls and selectively route patient calls (room/bed number and call priority) to assigned pocket pager(s) and optionally to include a message detailing the patient's requirements, to selectively page any pocket pager

from any Nurse Console with a specific message, to automatically page a staff member's backup team members for "Staff Assist" calls, to automatically page "crash" teams for specific call priorities such as "Code Blue" or "Code Pink". The Data Interface Module pocket page interface supports numeric pagers, alpha-numeric pagers, or any mixture of these two pager types.

When an RS-232 port on the Data Interface Module is configured to interface with a local PC running the Responder R4CONFIG.EXE Responder Network Programming and Diagnostics software package, from a PC connected directly to the Data Interface Module RS-232 port a technician is capable of programming all Responder Network attributes such as architectural room numbers, custom Console touchpoints, Console coverage areas, etc. From this same application the technician can upload a new version of the Responder Network operating system, download the current Responder Network configuration, and access the error log or run component diagnostics to assist in trouble-shooting the Responder Network. If a Data Interface Module RS-232 port is configured for a telephone modem, all of the above configuration and troubleshooting features are available to a remote PC running the R4CONFIG.EXE

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

Rauland-Borg Corporation

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Description (continued)

application via a dedicated analog station port from the facility's PBX. The R4CONFIG.EXE application is included with the NCDATA Data Interface Module and requires a Pentium computer with at least 16M of RAM running Windows[®] 95 or 98.

Finally, an RS-232 port on the Data Interface Module can be

configured to interface with the Rauland NCSMSW Management Software Package. In this configuration the Data Interface Module will provide all Responder Network activity (patient calls, staff calls, dialing from the Nurse Console, etc.) to the Management Software Package for archiving, report generation, and analysis.

Associated Equipment

NCPWR – Floor Power Supply

NC2828 – Terminal Cabinet

NCTLI – Telephone Line Interface

NCSMSW – Management Software

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