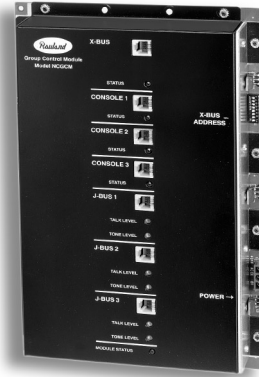


Model: NCGCM Group Control Module



Features

- Self-contained unit
- Data & audio control for up to three (3) Nurse Consoles and 36 control stations
- Interfaces directly to Responder[®] communications network X-Bus
- Inter-network digital audio
- Three (3) simultaneous speech channels
- Five (5) diagnostic/status LED indicators
- Call tone generator
- Stores local console and control station configurations
- RJ connectors for easy service

Specifications

Power Requirements: 14V DC @ 0.5A Idle, 2.2A Max.

Network Capacity: 48 interconnect NCGCM group control modules for up to 144 Consoles, 144 local audio paths, 1,728 control stations, and over 15,000 sub-stations

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: RJ connectors and positive plug-on connectors

GCM Capacity: 3 consoles, 3 audio paths, 36 control stations, 324 sub-stations

Backbox Requirements: Rauland NC2828 Terminal Cabinet

Controls: X-Bus DIP switch address, X-Bus status LED, three (3) console status LEDs, and GCM status LED

Certification: UL/C-UL 1069

Description

The NCGCM Group Control Module is the data, audio, and configuration hub for up to 3 local consoles and 36 local control stations. The Group Control Module routes bi-directional data and audio to associated control stations via three (3) J-bus runs supporting up to twelve (12) control stations per run. Each console routes bi-directional data and audio through its own home-run connection to the Group Control Module.

The NCGCM Group Control Module provides three (3) independent audio paths, one for each local console, allowing up to three (3) simultaneous local conversations between consoles and control stations. When multiple group control modules are interconnected all inter-network audio communications are digitized to ensure superior audio intelligibility over large NCGCM networks.

All configuration information for the local consoles, control stations, and sub-stations is contained within the group control module's memory; this allows any device to be exchanged without the need for reprogramming. All interconnect GCM troubleshooting and configuration programming is accessed from a single point via either a local NCPROG Programming Interface Module or remotely through a modem connected to an NCDATA Data Interface Module. The Flash Memory in the Group Control Module also allows single point uploading of operating system updates. In the event of a power failure all configuration and operating system information is maintained.

To ensure that every component of the Responder[®] IV system is operational, the group control module continuously supervises all local consoles and control stations for both power and data faults; all sub-stations are supervised by their associated Control Station which in turn report any failures back to the associated group control module. All control station and sub-station errors are reported to their associated console(s) along with a warning tone. If a console should fail, all of its assigned calls are automatically rerouted to an adjoining console(s) until the problem is corrected. To aid in troubleshooting, the NCGCM provides five (5) LED indicators. In the event of a power failure, an optional battery backup permits the NCGCM to maintain full operation during the time required to switch to auxiliary power.

The group control module may operate independently or may be interconnected via the X-bus as part of a network supporting up to 48 NCGCMs and, in turn, 144 consoles and 1,728 control stations. This same X-bus network interconnects the group control modules to the NCTLI telephone line interface module for routing of calls to wireless/wired telephones and NCDATA data interface modules for routing of calls to pocket pagers, call statistics logging on a PC running the NCSMSW management software package, and/or remote troubleshooting and system programming via a modem.

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

Rauland-Borg Corporation

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Model: NCGCM Group Control Module

Associated Equipment

NCPWR — Floor Power Supply

NC2828 — Terminal Cabinet

NCTSM — Touchscreen Console

NCLCD — Standard Console

NCRECP — Console Receptacle

NCPROG — Programming Interface Module

NCDATA — Data Interface Module

NCTLI — Telephone Line Interface

NCCLT2, NCCLF4, NCCLS6 — Corridor Lamps

NCJDROP — J-Bus Interface

NCJSOLO — Shrink Wrapped J-Bus Interface

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

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