



# Product Specification Sheet



APS218

Rev. 1 - 12/1998



**RM5000 Central Exchange (typical)**

## ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The central exchange/system shall be Alpha Communications®/Ring RM5000 series or approved equivalent. System shall have a maximum capacity of 56 total master and/or remote stations, in multiples of 8 stations. System shall have four (4) conversation paths (links), permitting up to four (4) simultaneous conversations. The RM5000 central exchange (if less than 56 station capacity) can be field upgraded with the addition of subscriber card(s) and required extension rack(s).

The RM5000 system shall require simple 2 twisted pair home-run wiring from the central exchange to each master and/or remote station, and shall feature all-call, group call, hunt, priority, privacy, direct dialling, conference, camp-on busy, hurry-up, call-back, call-forwarding, secretary transfer, battery back-up and manual simplex override at the master station(s).

Optional features include radio paging, public address tie-in, 2 channels of program distribution, and emergency elevator annunciation.

Contractor shall observe all local and national electrical and building codes.

## RM5000 Series Microprocessor Intercom System

The RM5000 is a fully electronic, microprocessor controlled system, which fully satisfies the requirements for a modern and effective internal communication system. The RM5000 system is modular in concept and the central exchange can be expanded in multiples of 8 stations, up to a maximum of 56 total stations (masters and/or remotes). The central exchange has 4 conversation paths (links), permitting up to four (4) simultaneous conversations.

A variety of master and remote stations is available to meet virtually any system need.

### FEATURES

- Clear two-way communications
- Hands-free/loudspeaking
- Confidential/Softspeaking capabilities
- Manual Simplex operation at master stations
- Microphone Cut-Off
- Camp-on busy extension
- All-Call (standard)
- Simple home-run wiring - simple to install

### SPECIFICATIONS

<b>Central Supply:</b>	Transformer 24 VAC +/- 10%, 50/60Hz or rectifier 24VDC, (battery for no break)
<b>Power</b>	
<b>Consumption:</b>	Approx. 20W plus 1W per 8 station subscriber card
<b>Maximum Input to Program Distr. Cable</b>	Aux. line, 100mV/600 ohm
<b>Requirements:</b>	1 Pair for system information/audio 1 Pair for DC power supply
<b>Microprocessor:</b>	MC6802
<b>Memory:</b>	EPROM 256 kbyte RAM 64 kbyte
<b>Ambient Temp:</b>	+10 to +35 degrees C. (+77 to +95 degrees F.)
<b>Line Specs:</b>	Frequency Range: 300-5000 Hz Galvanic Line: 0 dBm (1mW/600 ohm) Speech level, idle: -12 dBm Speech level, max: +4 dBm Signaling level: -10 dBm Signaling frequencies CCITT specifications
<b>Color:</b>	Pearl Grey

*Due to continuous product improvement, all colors, sizes, materials, finishes and specifications are subject to change without notice.*