RM5000EX  INTERCOM SYSTEM

Ring-Master Communication and Security System applications:

- Elevator
- Hospital O. R.
- Clean Room
- Area of Rescue
- Police Station
- Prison
- Parking garages
- Parking lots
- Door/gate entry
- Mass Evacuation

DESCRIPTION:
The RM5000EX is a microprocessor controlled intercom central exchange. Capacity is expandable from 8 to 56 in increments of 8 (LC500). The intercom stations may be any combination of masters and subs. The system has 3 conversation links and one program distribution channel. Crisis Alert features are standard. The RM5000EX central can be connected to other RM5000EX centrals and the larger CB901EX central using Interlinks. The processor card has 6 multi-use ports that are used for the interlinks. The multi-use ports can also be used for the small line card LC502 when a 2 or 4 line exchange is needed.

FEATURES:
- Hands free loud speaking
- Event log output (DNA100 required)
- Confidential soft-speaking (handset)
- Video Switcher interface (DNA200 required)
- Talk button for speech direction control
- Access control interface (DNA300 required)
- Microphone mute
- Pocket page interface (DNA400 required)
- Camp on busy extension
- 1 Direct access each station
- Crisis Alert network interface
- 10 Direct dial each station
- 2, 3 or 4 digit number plan
- Assignable call numbers
- Program distribution
- 16 Character Caller ID
- 8 Group All Call or Group Call
- 7 transfer numbers for each station
- Group Conference
- Priority
- Meet me
- Line supervision for masters and subs
- Simplex always option
- Battery backup (standard on 32-56 line systems)
- Privacy
- Battery charge alarm
- Remote Control (DTMF)
- Auto dialer (IF934P or DNA934P required)
TECHNICAL DATA
RM5000EX

Capacity:
Number of stations: Up to 56 in single stage
Number of speech paths: 3
Number of program channels: 1

Power:
Central supply voltage: 27V DC
Power consumption, Control Card EX500: approx. 10W
Power consumption, Subscriber Card: 1W (8 stations)
Power supply: 27VDC/5Amp (P/N PSDC27-5)

Station Cable specifications:
1 Twisted pair for system audio (max 240 ohm Loop)
1 Twisted pair for power (max 45 ohm Loop)
Signaling frequencies CCITT specifications
Frequency range: 300 - 5000 Hz
Galvanic line: 0 dBm (1mW/600ohm)
Speech level: -12 dBm; max: +4
Signaling level: - 10 dBm

Program Channel specifications:
Input: Balanced, 20 K ohm, 100mV

Environmental:
Ambient temperature: 0 to +40 C (+32 to +104 F)
Humidity: 95% max. non condensing.

Cardshelf Dimensions RK500/RK501:
276mm x 448mm x 89mm
(10.95”H x 17.6”W x 3.5”D )

Weight:
9Kg (20 lb)

Ordering Information:
Complete exchanges with power:
RM5000EX/2       2 Line Central Exchange
RM5000EX/4       4 Line Central Exchange
RM5000EX/8       8 Line Central Exchange
RM5000EX/16     16 Line Central Exchange
RM5000EX/24     24 Line Central Exchange
RM5000EX/32     32 Line Central Exchange
RM5000EX/40     40 Line Central Exchange
RM5000EX/48     48 Line Central Exchange
RM5000EX/56     56 Line Central Exchange

Expansion equipment:
LC502            Linecard 2 Stations
LC500            Linecard 8 Stations (max 7 cards)
BAT24-30         Battery backup (included with 32-56)
IF500            Audio Interlink
DNB100           Data Interlink

Station Equipment:
AA916            Desk master station
AA903C           Wall master station
AA917            Wall clean room master station
SS900B           Sub station on sub-plate (elevator)
SS910,11,12,13   Outdoor sub stations

Annunciators:
DAD104           4 line alphanumeric annunciator
DS16             16 line direct select announciator

Interface units:
DNA100           Programming interface
DNA200           Camera switcher interface
DNA300           Computer interface
DNA400           Pocket page interface
IF934P           Telephone dialer one number
IF934P           Telephone dialer/messages 4 numbers
IF935            Paging/Radio/Recorder Interface
TLC508           Telephone Interface (8 lines)