



CB901EX 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 CB901EX is a microprocessor controlled intercom central exchange. Capacity is expandable from 8 to 240 stations in increments of 8 (LC978). The intercom stations may be any combination of masters and subs. The system has 15 conversation links and 7 program distribution channels. Crisis Alert features are standard. The CB901EX central can be connected to other CB901EX centrals and the smaller RM5000EX central using Interlinks.

FEATURES:

Hands free loudspeaking
Confidential soft-speaking (handset)
Talk button for speech direction control
Microphone mute
Camp on busy extension
Crisis Alert network interface
2, 3 or 4 digit number plan
Program distribution
8 Group All Call or Group Call
Group Conference
Meet me
Simplex always option
Privacy
Remote Control (DTMF)

Event log output (DNA100 required)
Video Switcher interface (DNA200 required)
Access control interface (DNA300 required)
Pocket page interface (DNA400 required)
1 Direct access each station
10 Direct dial each station
Assignable call numbers
12 Character Caller ID
7 transfer numbers for each station
Priority
Line supervision for masters and subs
Battery backup
Battery charge alarm
Auto dialer (IF934P or DNA934P required)

TECHNICAL DATA

CB901EX

Capacity:

Number of stations: Up to 240 in single stage
Number of speech paths: 15
Number of program channels: 7
Microprocessor Control: MC68HC11

Power:

Central supply voltage: 27V DC
Power consumption, Control Cards: approx. 25W
Power consumption, Subscriber Card: 2.5W (8 stations)
Maxim power consumption excluding stations: 100W
Power supply: 27VDC/12Amp (P/N PSDC24-12)

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, 30 K ohm, 100mV

Environmental:

Ambient temperature: +10 to +35oC (+50 to +95oF)
Non condensing.

Cardshelf Dimensions RK979/RK980:

276mm x 482mm x 270mm
(10.95"H x 19"W x 10.6"D)

Maximum Weight (excluding battery):

36.4 Kg (80 lb)

Ordering Information:

Complete exchanges with power:

CB901EX/8 8 Line Central Exchange

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(in increments of 8)

CB901EX/240 240 Line Central Exchange

Expansion equipment:

LC978 Linecard 8 Stations (max 30 cards)
PCB1545E Audio Interlink (8 channels)
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)
SS910-13 Outdoor sub station

Annunciators:

DAD104 4 line alphanumeric annunciator
DS16 16 line direct select annunciator

Interface units:

DNA100 Programming interface
DNA200 Camera switcher interface
DNA300 Computer interface
DNA400 Pocket page interface
IF934P Telephone dialer one number
DNA934P Telephone dialer/messages 4 numbers
IF935 Paging/Radio/Recorder Interface



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