INTRODUCTION

The main user interface device in the CS9000 series intercom system is the keypanel. In order to meet a wide variety of operational and budgetary requirements, a large selection of keypanels and expansion panels are available in standard 19" rack-mountable configurations. In addition, for non-standard operator interface situations or for areas with limited space, a new range of intelligent desktop and wallmount panels is available.

To maximize the number of keys accessible to the operator, as many as three expansion panels may be connected to each keypanel for a total of 64 keys with no additional wiring to the matrix. There are a total of four pages of setups (up to 16 key assignments per page) available per keypanel. These sets of key assignments can exist as pages within the keypanel or distributed among the expansion panels. Note that the four setups available for these panels may be used even if there are no expansion panels connected.

Because of the CS9000's integrated capability, all communication forms may be assigned and accessed from any panel in the system. This allows you to assign any of these functions to a talk/listen key (where possible). Optional, hand-held programming keypads or keypanel models with keypads are available to allow an operator to easily change the assignments. In addition, by scrolling through the directory of panels, PLs, IFBs etc. (displayed in the Call Waiting Window - CWW) the operator can talk instantly, conveniently and temporarily to the desired destination. If a more permanent assignment is required, the assignment can be copied to any other key. This COPY function can be used for all incoming calls as well. For protection from an undesired key assignment change, individual talk and listen keys may be restricted (via the PC terminal) to prevent the operator from using the keypad to re-assign them. The CWW with its 4-character display, is also available in panels with LED tallys.
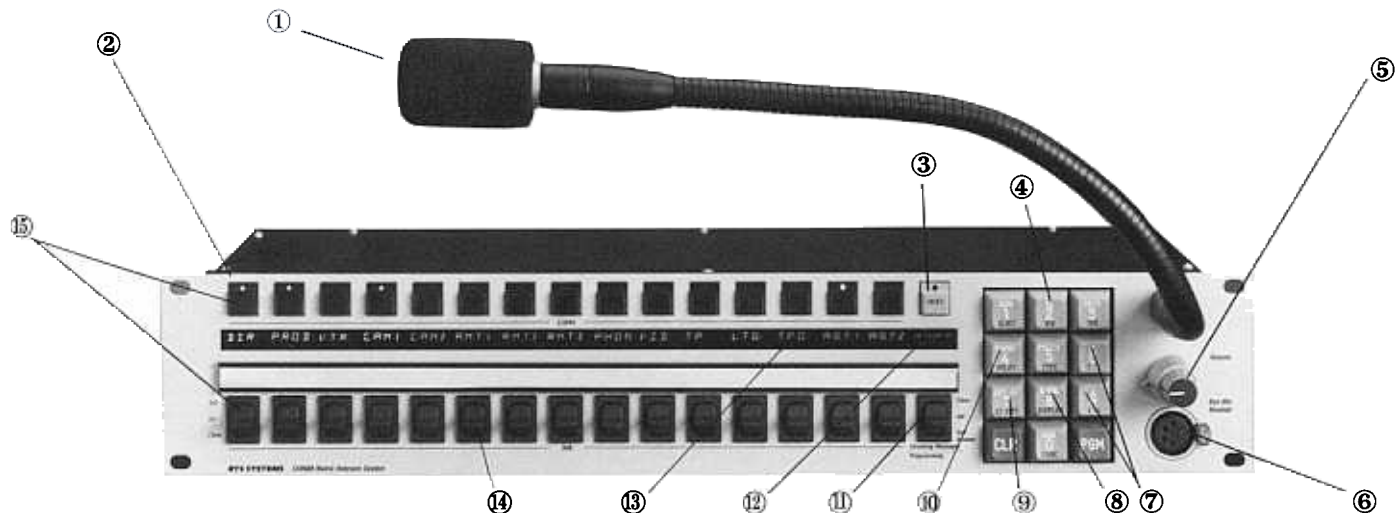
Connection to the matrix is made with a three twisted pair cable: one pair for balanced RS485 data, one pair for talk and one pair for listen. To facilitate wiring, the panels are connected to the matrix via a crossconnect panel such as the XCP-954 (with unshielded cable on DE-9 connectors) or XCP-955 (with unshielded cable on telephone type RJ-11 connectors).

The optional KP96-RC rear connector kit provides external input for auxiliary program monitoring, line level mic pre-amp output for auxiliary equipment (selectable hot or switched), and external foot switch and mute controls.

Keypanel Features and Benefits

☐ 16 talk keys and 15 listen keys with individual assignments for distinct talk/listen functions
☐ All keys universally programmable for all functions (point to point, PL, IFB, ISO, SL, Relay)
☐ Add up to three expansion panels with 16 key displays per panel for a total of 64 keys — field installable and requires no additional wiring to matrix
☐ Four pages of setup available per keypanel or can be assigned to expansion panels
☐ Display above talk key flashes when call is received
☐ IFB and ISO in use and IFB override tally
☐ Intelligent desktop mount and wallmount panels available
☐ Incoming calls are always heard — listen keys are used to monitor specific channels
☐ Models available with LED tallys or bright, easy to read 4-character alpha-numeric displays — both have alpha-numeric Call Waiting Window (CWW)
☐ Incoming call waiting system with four caller stack and caller tally ident system
☐ Copy function transfers call from Call Waiting Key to any talk or listen key (if allowed)
☐ Soft keys for activation of key groups (All Call)
☐ Optional keypad with large, easy to read buttons includes:
  • Direct programming of function
  • Directory scrolling which provides instant talk on Call Waiting Key even while panel remains operational
  • Access to all functions including trunked matrices
  • Telephone direct dial-out capability on keypad (with TIF-951 telephone interface)
☐ Selected keys can be restricted (cannot be re-assigned from the keypad)
☐ Auto listen (talk key turns on listen path automatically)
☐ Auto reciprocal (listen key forced on from keypad)
☐ Auto mute (mutes listen when talking)
☐ Auto follow (listen key follows talk key assignment)
☐ Keypanel tone oscillator for troubleshooting
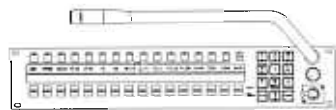☐ Microprocessor based architecture with all user-oriented data stored in the matrix — no need for custom EPROMS

1) High quality noise cancelling microphone
2) Listen keys electronically latched with LED status indicators
3) Headset transfer switch turns off mic/speaker
4) Keypad offers: large, easy to read buttons, hidden speaker, access to all communication functions, DTMF telephone dial out and the ability to assign IFB's ISO's directly or by scrolling
5) Dual concentric level control for intercom and program sound
6) Headset connector
7) UP/DOWN arrows indicate scrolling function
8) Four setup pages available for each keypanel or are assignable to expansion panels
9) COPY key transfers call from Call Waiting Key to soft key
10) PHONE key allows you to dial out on a telephone line
11) Call Waiting reply and instant talk key
12) Multi-purpose display for Call Waiting and Directory Scrolling
13) Clear, bright 4-character alpha-numeric readout that flashes when call is received
14) Rugged, lever talk key (middle = off, down = momentary, up = lock)
   Choice of Carling key (KP-96 Series) or traditional TMC telephone type (KP-97 Series not shown)
15) Talk or listen keys may be restricted to prevent the operator from using the keypad to reassign them
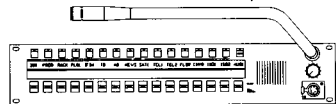
KEYPANEL & EXPANSION PANEL COMPONENTS

KP96-7/KP97-7 KEYPANELS, KP96-3 KEYPANEL

These 16 key user stations include separate talk and listen keys, call waiting, 4 character alphanumeric displays, key pad, microphone and speaker. The KP96-3 keypanel is identical but with LED tally replacing the alphanumeric displays. The KP96 series uses the Carling™ talk lever switch and the KP97 series uses the TMC™ talk lever switch.

KP96-8/KP97-8 KEYPANELS, KP96-4 KEYPANEL

These 16 key user stations include separate talk and listen keys, call waiting, four character alphanumeric displays, microphone and speaker. The KP96-4 keypanel is identical but with LE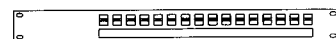D tally replacing the alphanumeric displays. The KP96 series uses the Carling™ talk lever switch and the KP97 series uses the TMC™ talk lever switch.
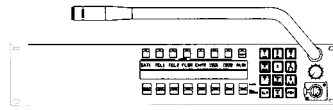
KP95-0 KEYPANEL

The KP95-0 is a one rack unit user station with 15 talk keys, call waiting, microphone and speaker. The panel may be used for point to point, IFB and simple squawk communications.

EKP95-0 EXPANSION PANEL

This is a one rack unit, 16 key "talk only" expansion panel for the KP series keypanel. The EKP95-0 is used for IFB, point to point, and simple squawk communications.

KP96-6/KP97-6 KEYPANELS, KP96-2 KEYPANEL

These eight key user stations include separate talk and listen keys, call waiting, four character alphanumeric displays, key pad, microphone and speaker. The KP96-2 keypanel is identical but with LED tally replacing the alphanumeric displays. The KP96 series uses the Carling™ talk lever switch and the KP97 series uses the TMC™ talk lever switch.
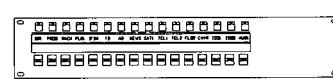
KP96-5/KP97-5 KEYPANELS, KP96-1 KEYPANEL

These eight key user stations include separate talk and listen keys, call waiting, four character alphanumeric displays, microphone and speaker. The KP96-1 keypanel is identical but with LED tally replacing the alphanumeric displays. The KP96 series uses the Carling™ talk lever switch and the KP97 series uses the TMC™ talk lever switch.

EKP96(97)-8 EXPANSION PANEL, EKP96-4 EXPANSION PANEL

These 16 key expansion panels include 16 separate talk and listen keys and four character alphanumeric displays (EKP96-8) or tally LED indicators (EKP96-4). Up to three expansion panels may be used at each user station for a total of 63 separate talk and listen keys per station. The EKP96 panels use the Carling talk™ lever switch and the EKP97 uses the TMC™ talk lever switch.

KP98-7 KEYPANEL

This 16 position keypanel includes 15 separate talk and listen buttons with momentary/latching capability using EAO illuminated switches. The panel includes 10 function keys to simplify operation. The KP98-7 includes a removable gooseneck electret microphone. A companion expansion panel (EKP98-8) is available.

Form No. RTS 20217-2