

CUSTOMER ADMINISTRATION PANEL (CAP)

GENERAL DESCRIPTION

"DIMENSION®" 100/400/PRELUDE PBX

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1. GENERAL

1.01 This section provides information on the Customer Administration Panel (CAP) which is used on the DIMENSION 100/400 PBXs and the DIMENSION Prelude PBX.

1.02 This section is reissued to add a listing of new DIMENSION Prelude PBX administration capabilities. Revision arrows are used to emphasize significant changes.

1.03 The CAP (Fig. 1) is an adaptation of the DIMENSION 100/400 Maintenance and Administration Panel (MAAP) mounted in a modified electronic custom telephone service (ECTS) station set housing. It provides the customer the ability to change station user features and control other PBX features. The CAP is used on a local basis (ie, co-located with the PBX on customer premises).

2. CAP CAPABILITIES

2.01 The CAP has full access (ie, add, change, remove, or display) to many MAAP procedures and display-only access or partial access (ie, add, change, or remove information to only certain fields or words of a procedure) to others.

2.02 Software screening is applied when the customer enters a procedure number to prevent use of restricted MAAP procedures. If a procedure is entered which is listed as partial access, the customer can actually access any field or word in the procedure, but it is recommended that they only use those fields or words listed for customer use.

2.03 The customer with the CAP has the capability to perform the functions listed in the following paragraphs.

STATION REARRANGEMENT AND CHANGE

2.04 On a per-line basis, the customer can add, change, remove, or display the following:

- (a) Auxiliary automatic number identification (ANI) billing (FP15 only)
- (b) Call pickup group
- (c) Class of service: Features, Restrictions
- (d) Controlled restriction group
- (e) Equipment location
- (f) "Hunt to" number
- (g) Hot line number (DIMENSION Prelude PBX only)
- (h) Line extension number
- (i) Speed calling and custom intercom.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement



Fig. 1—Customer Administration Panel

2.05 On a per-DIMENSION PBX ECTS station basis (FP15 only), the customer can add, change, remove, or display the following:

- (a) Abbreviated/delayed (A/D) ringing
- (b) Controller repack
- (c) Custom calling (all features)
- (d) Direct station selection (DSS)
- (e) Hold (all types)
- (f) Intercom:
 - Automatic
 - Dial
 - Manual
- (g) Intercom ringing options
- (h) Line connection preferences:
 - Idle line
 - Incoming call
 - Last Line
 - No line
 - Preselection
 - Prime line
 - Ringing line

- (i) Line pickup assignments
 - (j) Line ringing options
 - (k) Manual exclusion
 - (l) Manual signaling
 - (m) Manual signaling tone
 - (n) Message waiting
 - (o) PBX line access
 - (p) Personal central office (CO) line access
 - (q) Ringing transfer
 - (r) Station busy
 - (s) Station ringer cutoff
 - (t) Station translation (including station removal from service).
- 2.06** On a system basis, the customer may add, change, remove, or display the following:
- (a) Line class of service
 - (b) Miscellaneous trunk restriction groups
 - (c) Trunk group restrictions
 - (d) Assign the following features:
 - Attendant Release Loop (FP15 only)
 - Automatic Identified Outward Dialing (AIOD) (FP15 only)
 - Automatic Route Selection (ARS)
 - Auxiliary ANI Number (FP15 only)
 - Call Waiting—Attendant
 - Centralized Attendant Service (FP15 only)
 - Code Calling Access
 - Code Restriction
 - Deluxe Paging
 - Full and Fixed Night Service
 - Hot Line Service (DIMENSION Prelude PBX only)
 - Intercept Treatment
 - Music-on-Hold
 - ♦Night Station Service—Automatic (DIMENSION Prelude PBX only)♦
 - Remote Access
 - ♦Six-Way Meet-Me Conference (DIMENSION Prelude PBX only)
 - Six-Way Station Conference (DIMENSION Prelude PBX only)♦
 - Station Message Detail Recording (SMDR)
 - Tandem Tie Trunk Switching
 - Trunk Answer From Any Station (TAAS)
 - Trunk-to-Trunk Calling
 - Trunk-to-Trunk Transfer
 - Trunk Verification by Station
 - Uniform Call Distribution/Direct Department Calling (UCD/DDC) Groups.
- 2.07** The customer may do a manual search routine to identify:
- Controlled restriction group assignments
 - ECTS unassigned steering circuit ports (FP15 only)
 - Miscellaneous trunk restriction groups
 - Stations in a pickup group
 - Stations with the same class of service
 - Stations in a hunt sequence
 - UCD/DDC information
 - Unassigned equipment location.

2.08 Refer to Part 5 of this section for references which provide detailed information on applications and how to operate the CAP.

3. PHYSICAL DESCRIPTION

3.01 The CAP uses a modified PT1 circuit pack which is the DIMENSION 100/400 MAAP circuit pack. The new pack, designated PT2, and a dc-to-dc converter are mounted in a modified ECTS station set housing. The CAP unit is coded as J58879DC-1,L1.

3.02 Figure 2 shows a detailed layout of the CAP faceplate. The layout of the CAP is the same as the MAAP except that the MAJOR and MINOR alarm lamps on the CAP are now labeled as the MAAP IN USE and CACS/RMATS IN USE, which gives the customer an indication that the PBX MAAP data channel is in use.

3.03 The MAAP data channel of the PBX can only serve one device at a time on a first-come first-served basis. If the CAP tries to access the MAAP data channel and it is being used by either the MAAP or the Remote Maintenance, Administration, and Traffic System (RMATS), the MAAP IN USE or the CACS/RMATS IN USE lamp will light.

3.04 An ON/OFF switch on the left-hand side of the CAP activates the customer's unit and prevents the MAAP or RMATS from accessing the PBX by means of the CAP interface unit mounted in the PBX. The display on the CAP will remain on after the ON/OFF switch is turned off.

3.05 The PBX differentiates between the CAP and the MAAP through circuitry on the ABC-1 circuit pack which is part of the CAP interface unit. If the CAP tries to access a procedure that is not allowed access to, the PBX will light the ERROR lamp on the CAP.

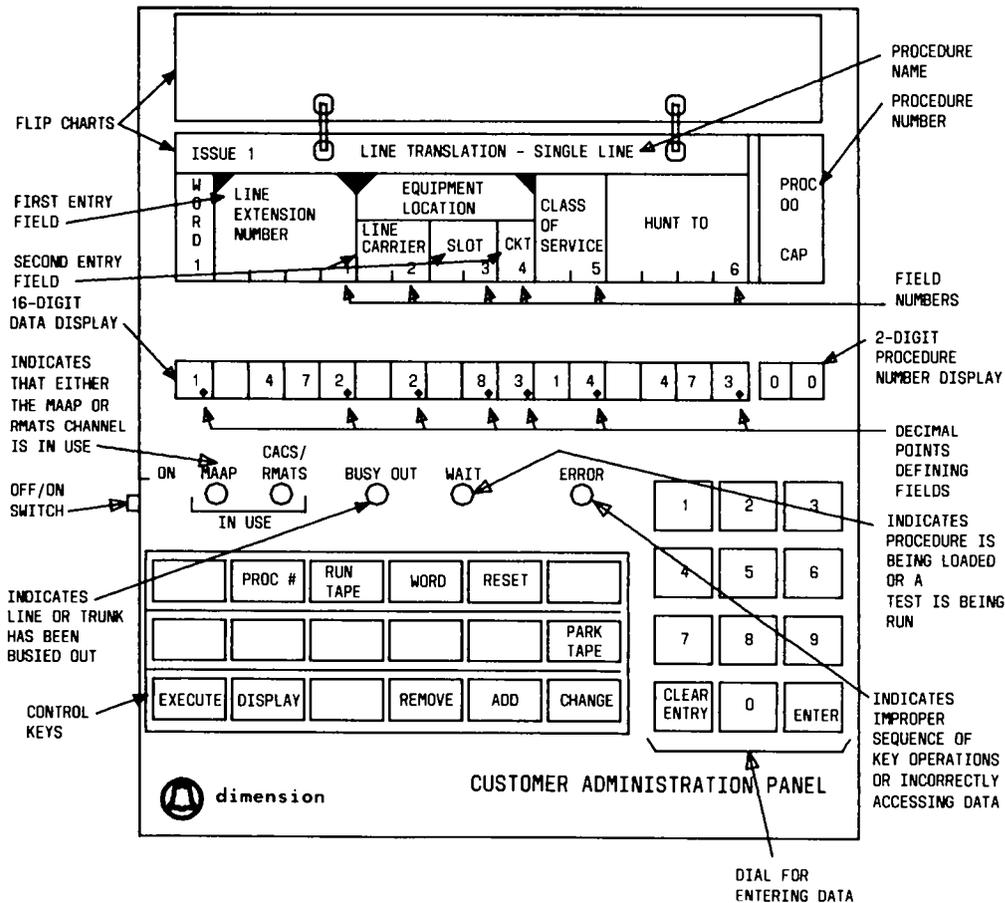


Fig. 2—CAP Faceplate Layout

4. CAP-ASSOCIATED PBX EQUIPMENT

4.01 In order to support a CAP, the DIMENSION 100/400 PBX must be equipped with Feature Package 15, a J58879CC control carrier, and a J58879DD-1 CAP interface unit. In the DIMENSION Prelude PBX, a J58891AA control carrier and J588790D-1 CAP interface unit must be provided. The CAP interface unit is required to switch the MAAP data channel between the CAP and the MAAP. The unit consists of an ABC-1 circuit pack, a pair of brackets, three KS-connectors, and the CAP-IN-USE light emitting diode (LED). The CAP-IN-USE LED, when lighted, indicates to the craft person that the CAP is activated and in control of the MAAP data channel.

4.02 Figure 3 shows the connection required between the CAP, MAAP, PBX, and CAP interface unit. The interface unit is powered by +5 volts

from the old C22 MAAP connector. The interface unit also receives -48 volts from the AC distribution and fan assembly (J58882PA in FP15 or J58891JA in DIMENSION Prelude PBX) which is routed through the ABC-1 to power the CAP. The cable length from the CAP to the interface unit cannot exceed 229 meters (750 feet) and must not be located off premises or run near sources of electromagnetic interference. The CAP should be located outside the PBX equipment room so as to clearly differentiate between telephone company and customer equipment.

5. REFERENCES

5.01 The following sections are associated with the Customer Administration Panel:

SECTION	TITLE
554-101-100	DIMENSION 400 PBX System Description (FP15)

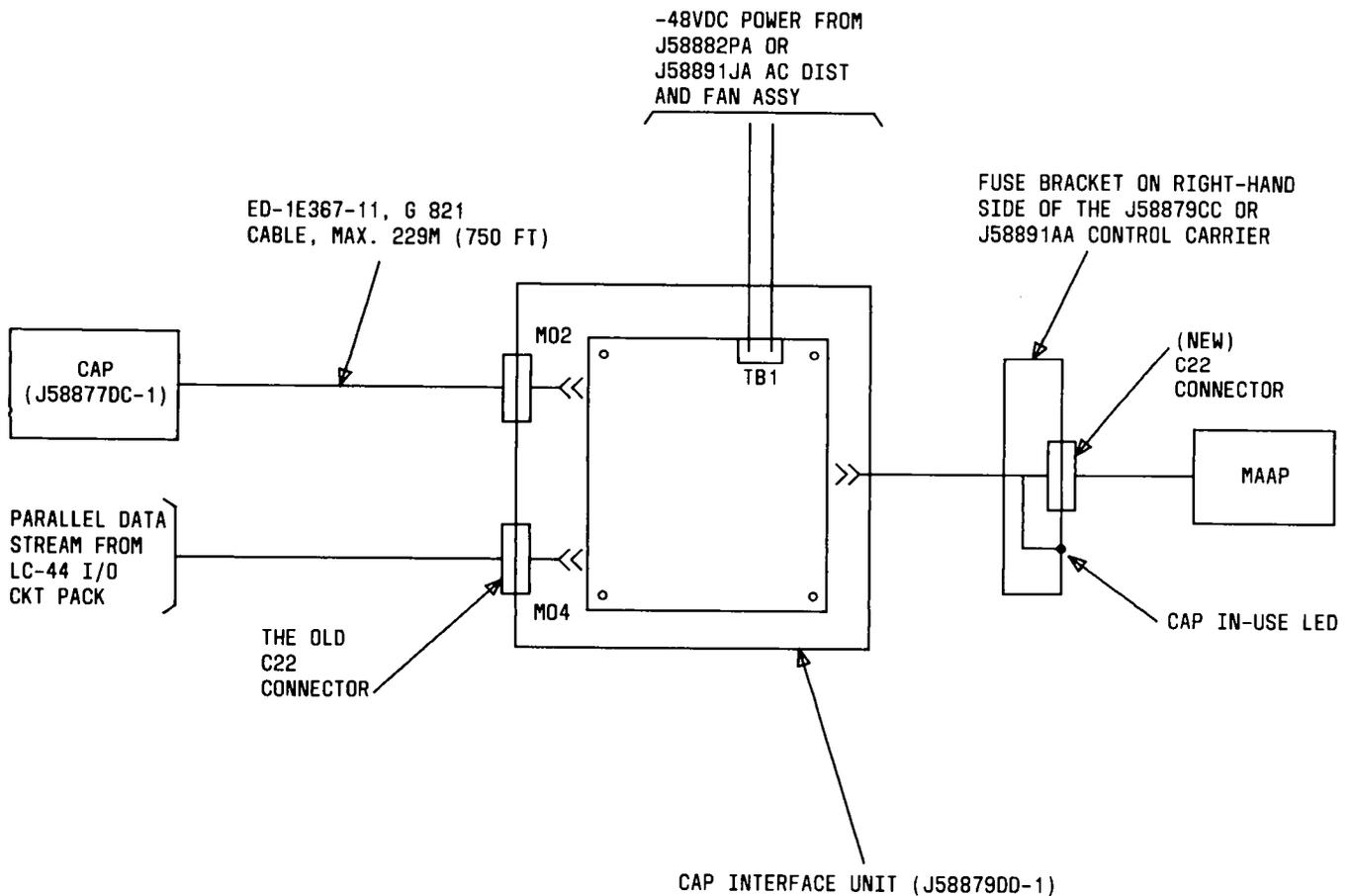


Fig. 3—CAP PBX Connections

SECTION	TITLE	SECTION	TITLE
554-101-101	DIMENSION 400 PBX Preinstallation and Planning Information (FP15)		PBX Customer Administration Panel (CAP) for Feature Package 15
554-101-102	DIMENSION 100 PBX System Description (FP15)	999-200-225	How to Operate and Application Information for the DIMENSION PBX Customer Administration Panel for the DIMENSION Prelude PBX
554-101-103	DIMENSION 100 PBX Preinstallation and Planning Information (FP15)		
554-101-310	DIMENSION 100 PBX Installation and Test (TOP) (FP15)	5.02	The following drawings are associated with the Customer Administration Panel:
554-101-350	DIMENSION 400 PBX Installation and Test (TOP) (FP15)	ED-1E300-01	System Equipment Information
554-102-100	DIMENSION Prelude PBX System Description	ED-1E367-11	CSS201L and CSS201SE Cabling Information
554-102-101	DIMENSION Prelude PBX Preinstallation and Planning	J58879DC	201S Customer Administration Panel
554-102-330	DIMENSION Prelude PBX Installation and Test (TOP)	SD-1E443-01	PBX Systems CSS 201S I/O Interface Circuits
554-191-257	DIMENSION PBX Customer Administration Panel Feature	SD-1E477-01	PBX Systems CSS 201VS Circuits
999-200-212	How to Operate and Application Information for the DIMENSION	SD-1E478-01	PBX System CSS 201S and 201VS MAAP and CAP Circuit
		SD-1E498-01	PBX System CSS 201 VSCR System Circuits