

TRENDLINE, PUSHBUTTON DIAL, DESK/WALL TELEPHONES

GENERAL DESCRIPTION

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1. GENERAL DESCRIPTION

1.01 This document covers the Trendline, pushbutton dial, desk/wall telephone. (See Figure 1.) A general description as well as information peculiar to the Trendline, pushbutton dial, desk/wall telephones is included.



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Figure 1: Trendline, Pushbutton Dial, Desk/Wall Telephone

- 1.02 Whenever this section is reissued, reason for the reissue will be listed in this paragraph.
- 1.03 A replacement parts list and an exploded-view drawing for the telephones are contained in

Section 50-225-101. Circuit labels are not provided for the telephones. Related documents of the CORTELCO Telephone Apparatus Practices Manual provide information on components.

1.04 The Model 8225 telephones are Trendline, pushbutton dial telephones equipped with a dial light. The dial light is on when the station user goes off-hook. These telephones are anti-sidetone units that operate efficiently over a wide range of loop resistances and line impedances. The telephones are compatible with inductively-coupled hearing aid devices.

1.05 The Model 8225 telephones are identified by a coded label affixed to the bottom of the telephone. Refer to ordering information in Table A for an explanation of each code number and available features.

1.06 The Model 8225 telephones are available in full-modular versions. Full-modular version telephones are equipped with a modular handset cord, a modular line cord for desk mounting, and a built-in modular line cord for wall mounting. The modular handset cord and the modular line cord are terminated on each end with modular plugs. The built-in line cord is terminated on one end with a modular plug and on the other end with spade tip connectors. This version is designated by the code letter M. (Refer to Table A.)

1.07 The Model 8225 telephone is described in the following paragraphs.

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1.08 The Model 8225 telephone is a single-line, pushbutton dial, desk/wall telephone equipped with an operator recall button, tone/pulse switchable dialing, redial, and timed hookswitch flash.

1.09 An operator recall button, located below the dial keypad, may be momentarily pressed to disconnect a line. This allows a series of calls to be made without operating the telephone hookswitch.

1.10 The Tone/Pulse switch is used to change from Pulse (Tel-Pulse) to Tone (Tel-Touch) dialing.

TABLE A
ORDERING INFORMATION - TELEPHONES

CODE NUMBERS									
TELEPHONE CODE NUMBERS ARE FORMED IN SIX STEPS AS FOLLOWS:									
(1) Type of Instrument (See Part 1)									
(2) Color (See Part 2)									
(3) Version (See Part 3)									
(4) Ringer (See Part 4)									
(5) Special Feature (See Part 5)									
(6) Dial (See Part 6)									
PART 1 TYPE OF INSTRUMENT									
CODE	DESCRIPTION	COLOR OFFERED	VERSION OFFERED	RINGER OFFERED	FEATURE OFFERED	DIAL OFFERED			
8225	Trendline, Pushbutton Dial, Desk/Wall Telephone	00, 13, 15, 44, 62, 63, 64, 70, 80, 82, 84, And 86	M	BA	21	F			
REFER TO INDIVIDUAL UNIT DESCRIPTION FOR COMPLETE DESCRIPTION OF FEATURE COMBINATIONS									
PART 2 COLORS		PART 3 VERSIONS		PART 4 RINGERS		PART 5 SPECIAL FEATURES		PART 6 DIALS	
CODE	COLORS	CODE	VERSIONS	CODE	RINGERS	CODE	SPECIAL FEATURES	CODE	DIAL
00	Black	M	Full-Modular (With Cords)	BA	Straight-Line	21	Standard Telephone Equipped With 9-Foot, Coiled Handset Cord	F	Tel-Flash
13	Beige								
15	White								
44	Light Ash/Almond								
62	Mauve								
63	Dove Gray								
64	Wedgewood Blue								
70	Clear								
80	Taupe								
82	Peach								
84	Blue (Translucent)								
86	Pink (Translucent)								

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The switch can be set to TONE for tone dialing or to PULSE for pulse dialing.

1.11 The REDIAL button is used to automatically redial the last number dialed. The redial memory stores a maximum of 32 digits.

1.12 The FLASH button is used to send a timed line disconnect (interrupt) during an active call and access custom calling features provided by the telephone company. The line is momentarily disconnected for 600 milliseconds.

1.13 The base assembly for the Model 8225 telephone includes the ringer and the hookswitch assembly. The handset assembly includes the transmitter assembly, the receiver, and

the dial network assembly. The components in the handset are plugged in or connected by spade-tip connectors.

1.14 The transmitter is an electret condenser microphone with a permanent electrical charge. The receiver is a central armature type compatible with hearing aids that have a T-Switch (Telecoil). The dial network assembly converts the dial keypad inputs into DTMF (Dual Tone Multifrequency) tones and acts as the network circuitry for the transmitter and receiver.

2. INSTALLATION

2.01 The Model 8225 telephone can be installed as a desk telephone or as a wall telephone.

2.02 To install as a desk telephone:

- (a) Insert a modular plug of the long line cord into the modular jack in the bottom of the telephone base.
- (b) Insert the plug on the other end of the line cord into a standard modular telephone jack.
- (c) Route the line cord through the channel in the bottom of the telephone base (see Figure 2), and press under the two tabs at the top of the channel.

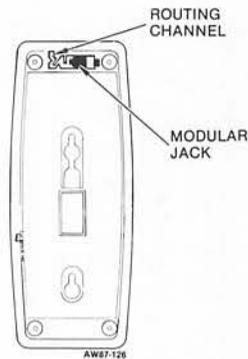


Figure 2: Line Cord Connecting Diagram - Desk Telephone

2.03 To install as a wall telephone:

- (a) Remove the modular plug of the short line cord from its storage area in the bottom of the telephone base. (See Figure 3.)
- (b) Insert the modular plug into the modular jack of the wall jack assembly. Fold the excess cord into the storage area.
- (c) Note the two mounting rivets on the wall jack assembly. Align the base so that the two mounting rivets are inserted into the two mounting holes in the bottom of the telephone.

Slide the base downward until it snaps into position.

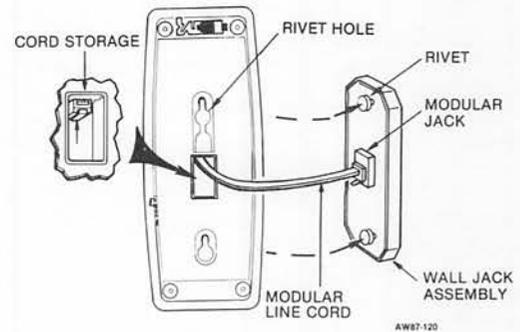


Figure 3: Installation Diagram - Wall Telephone

3. MAINTENANCE

- 3.01** For replacement parts information and for an exploded-view drawing of major assembly groups, refer to Section 50-225-101.

Warning: *The electret condenser microphone used in the Model 8225 telephone handset may be damaged by cleaning solvents. Solvents that contain acids or ammonia emit fumes that may damage the internal components of the microphone. When cleaning the handset, use solvents sparingly. Apply solvents with a cloth to avoid direct contact with the microphone.*

4. OPERATION

- 4.01** To automatically redial the last number dialed:
- (a) Lift the handset and check for dial tone.
 - (b) Press the REDIAL button.
- 4.02** To send a flash during an active call, press and release the FLASH button. The results depend on the connected telephone service.