

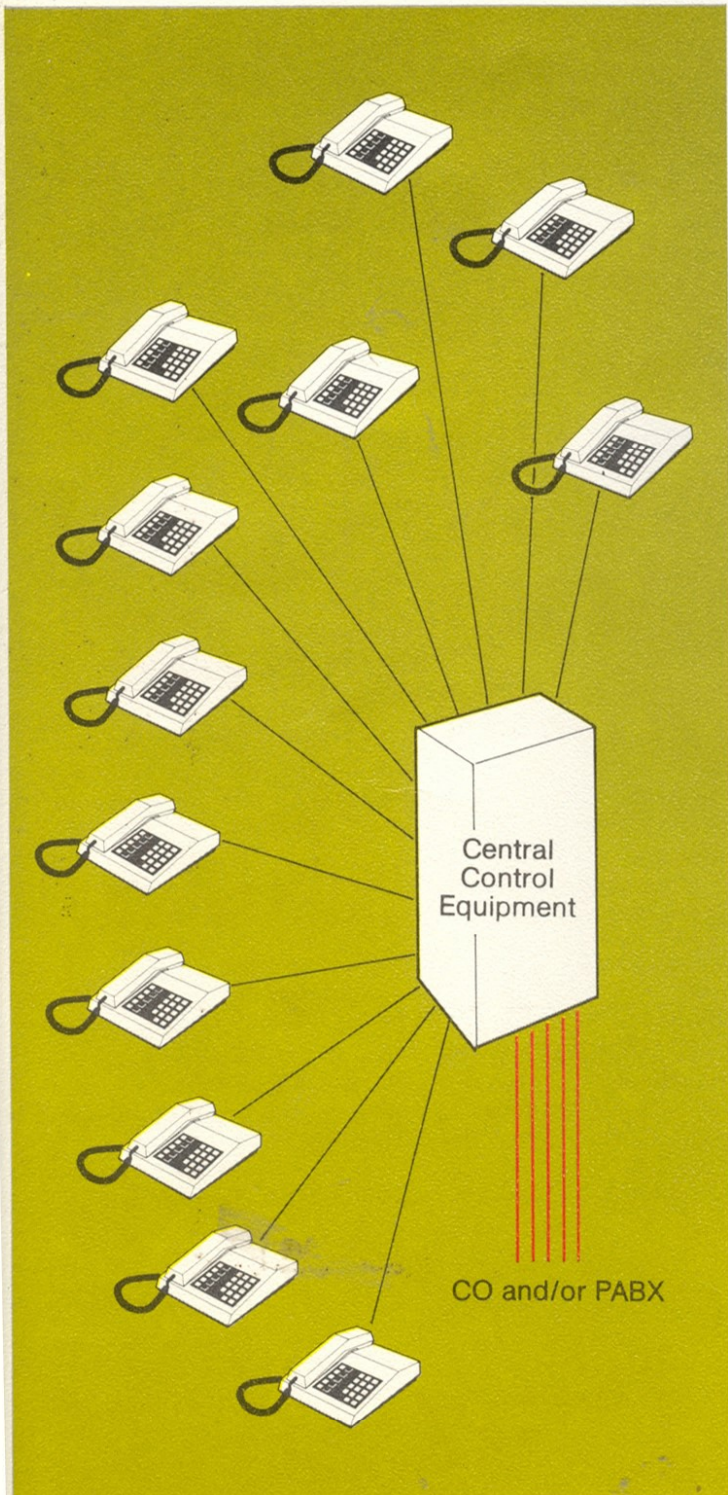
**GTE** INTERNATIONAL  
INCORPORATED

# THE 8000 SYSTEM

An Innovation in Business Communications



# THE 8000 Electronic Business Telephone



## OPERATION

The 8000 System is an electronic intercom system which may be connected to either the central office or a private branch exchange or both. The system provides a metallic transmission path via "flatpack" reed relays.

A "new" signalling concept and the use of Large Scale Integration (MOS-LSI) makes possible subscriber services which previously were not economically possible.

## MODULARITY

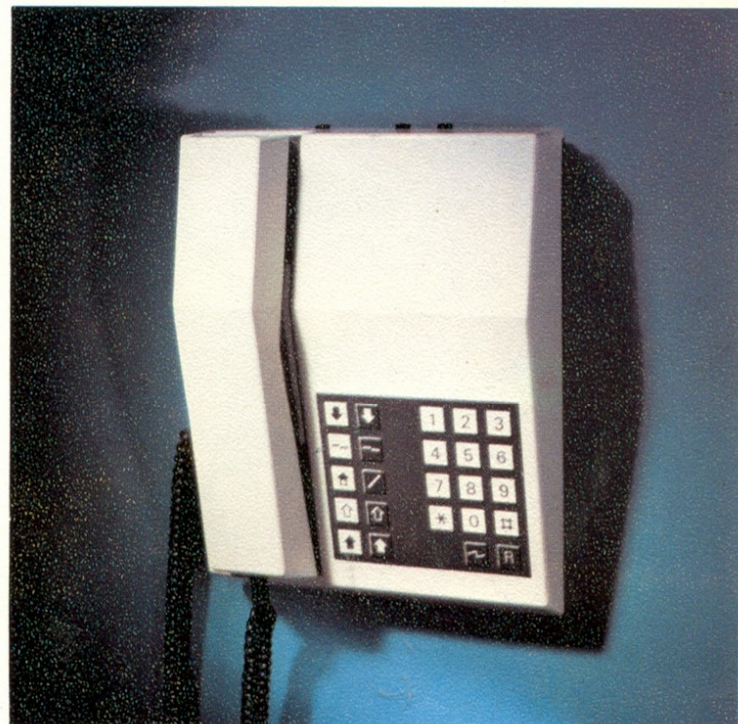
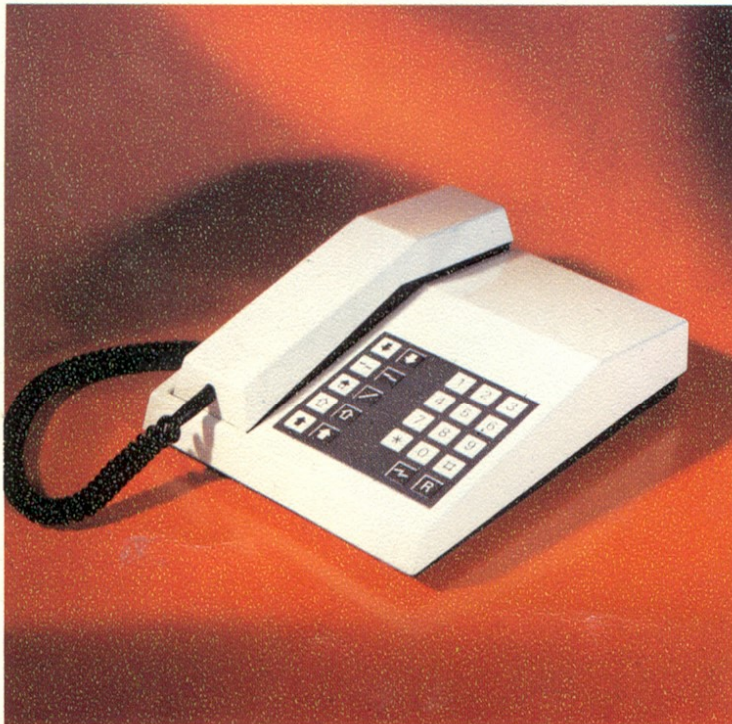
The 8000 System is structured on a modular basis, thus making for simple and economical expansion. The system can be expanded to a maximum of 25 telephone sets and 5 central office lines by simple "plug-in" of the desired printed circuit board.

The change from Dial Pulse (DP) to TCMF signalling to the central office is also accomplished by changing the associated printed circuit board.

The modularity of the system permits restriction of calls on a per subscriber basis.

Each telephone set is connected to the Central Control Equipment via a small 4 wire cable (considerably easing and shortening installation time).

providing 25 extensions with access to  
5 central office lines and 5 internal links



#### UNIVERSAL TELEPHONE SETS

The same model with its clear lines and elegant form can be desk or wall mounted without modification. A thin 4 wire cable plugs into the wall for connection to the Central Control Equipment. Two wires are associated with the audio path and two wires with the control path.

A new wafer-thin key-pad makes possible a streamlined telephone housing.

The telephone key-pad is made of non-locking single-contact keys and is void of any mechanical adjustments. The spacing of the keys is such that simultaneous operation of more than one key is impossible. The same key-pad is always used independent of DP or TCMF outsendings.

The symbology used clearly illustrates the functions that may be performed.

The assembly of the telephone set consists of plug-in units thus facilitating the maintenance of the set.

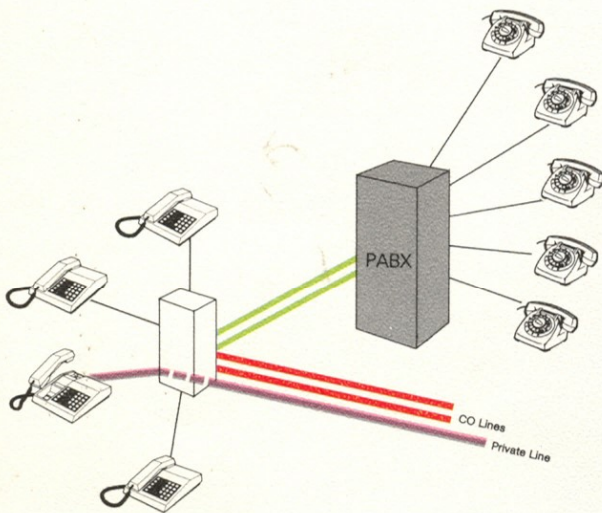
#### RELIABILITY

The system provides dependable call processing ability by making use of highly reliable components such as :

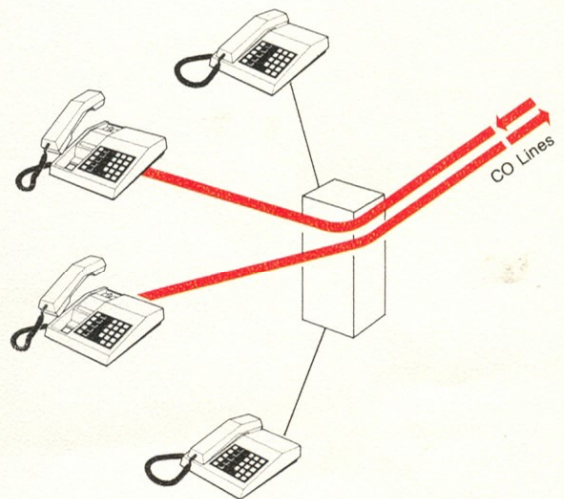
1. - Reed relays in the extension and central office circuits.
2. - Large Scale Integrated circuits. In addition to their reliability they are small in size and low in power consumption.
3. - Miscellaneous standard discrete components.

# A FULL LINE OF COMMUNICATION

## CO LINES and PABX LINES



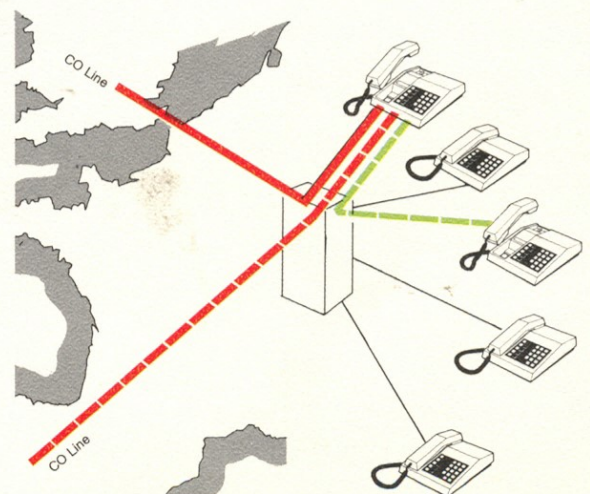
## INCOMING and OUTGOING



The 8000 System provides an impressive array of features.

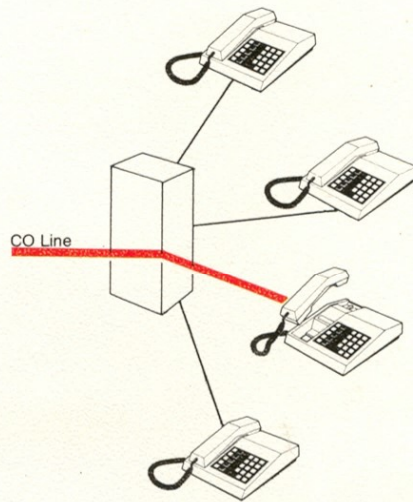
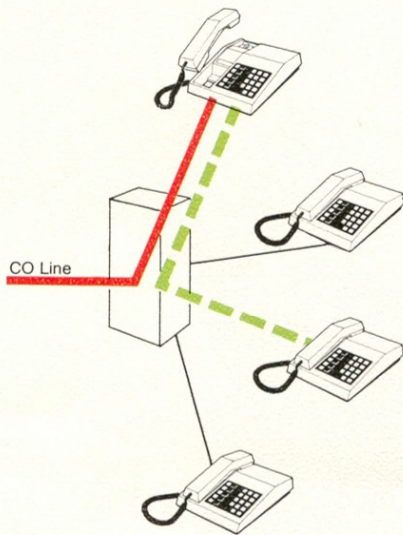
- Secrecy on all conversations.
- Access to and from the public network.
- Information and transfer calls.
- "Brokerage" service between two Central Office lines.
- "Add on" conference.
- Private line.
- Call restriction (incoming, outgoing...).
- Warning tone to a busy extension to notify him of Central Office call waiting.
- Connection as a satellite to a PABX.

## BROKERAGE SERVICE

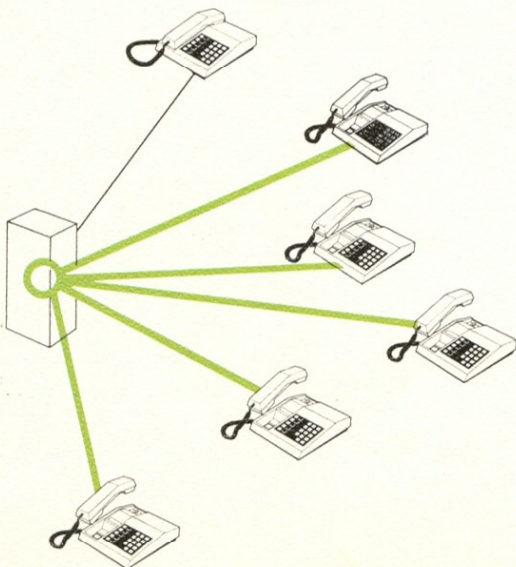


# SERVICES FOR MODERN BUSINESS

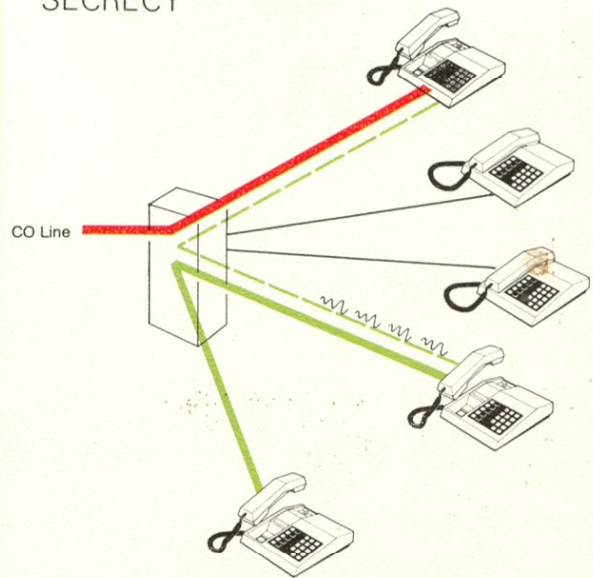
## INFORMATION and TRANSFER CALLS



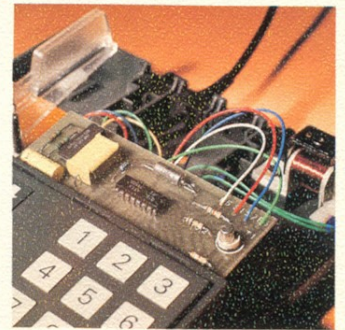
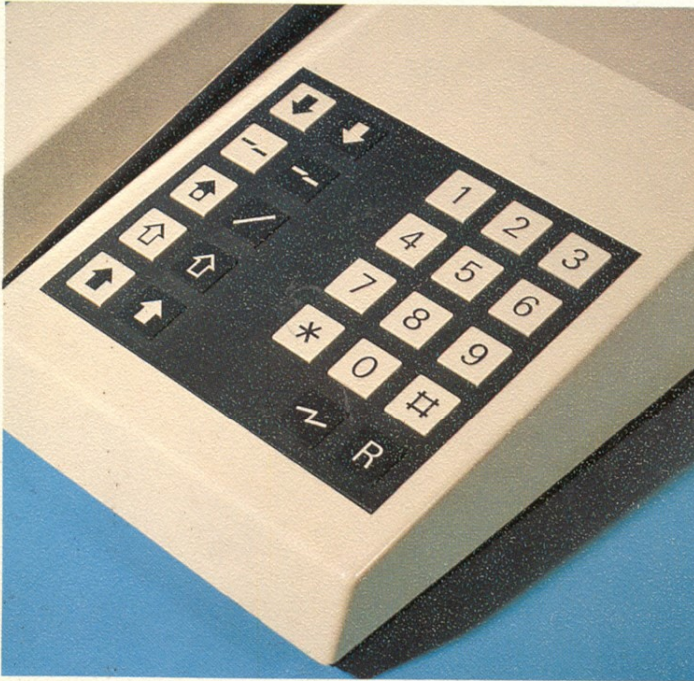
## "ADD-ON" CONFERENCE



## SECRECY

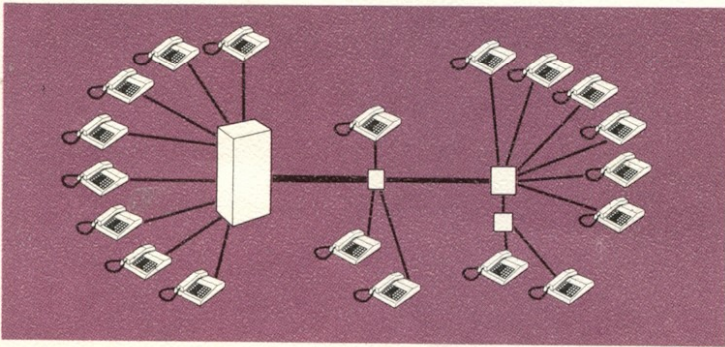
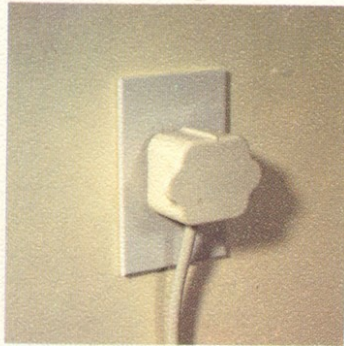
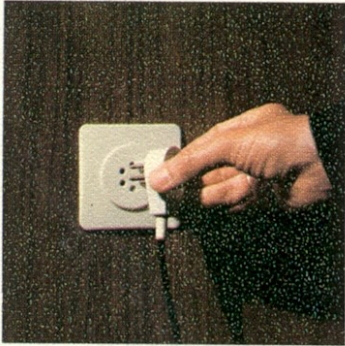
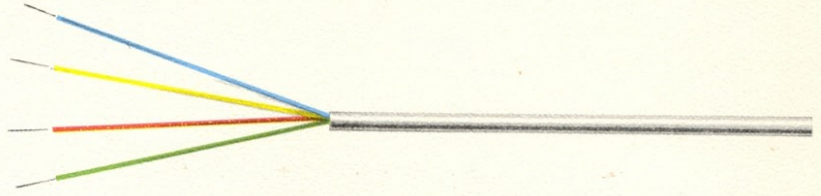


# EASY TO OPERATE



Incoming Trunk Call			Incoming Local Call	1	2	3	
Release Trunk Party			Release Local Party	4	5	6	
Private Outgoing Trunk Call			Cancel Wrong Local Number	7	8	9	
Outgoing to PABX			Private Outgoing Local Call	*	0	#	
Outgoing to CO			General Outgoing Local Call	Cancel Wrong Trunk Number		R	PABX Operator Service

# EASY TO INSTALL



In order to facilitate both installation and maintenance the 8000 System makes extensive use of "plug-in" units. The telephone cable is terminated by any 4 prong plug and Jack system.

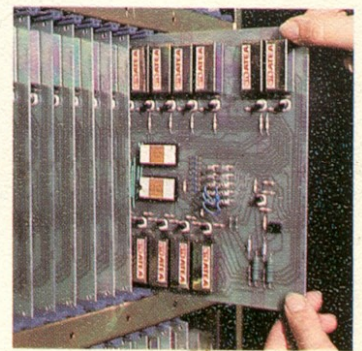
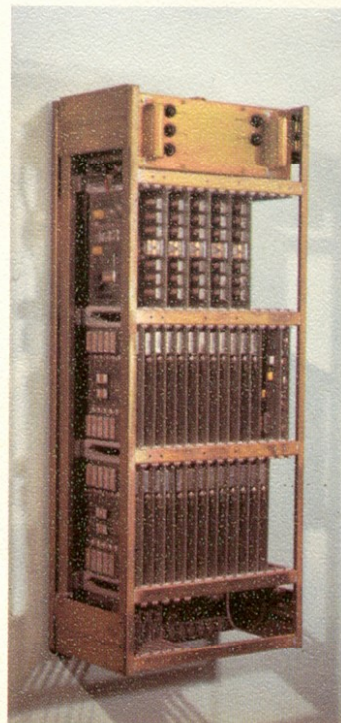
The Central Control Equipment is wall mounted by a simple "hook-in" arrangement.

The extensions and central office printed wiring circuit boards are plugged into the Central Control Equipment as required.

The installation cables are terminated on small printed boards which plug into the Central Control Equipment.

The telephone sets are "star" connected to the Central Control Equipment.

Conventional PABX cabling arrangements may be used. An AC - DC converter provides the required voltages.



## Specifications

### Capacity

25 Extension lines  
5 Central Office lines  
5 Local Links

### Central Control Equipment

Height 970 mm  
Width 410 mm  
Depth 450 mm

### Line characteristics

Up to 1 km from Central Control Equipment  
to set for a 0,6 mm wire.

### Pulsing Limits

Make/Break : 66,66 / 33,33  
60/40  
70/30 \*  
50/50 \*

Pulse Rate : 20 ips \*  
10 ips

Interdigit Pause : 400 mS \*  
800 mS  
1000 mS \*

\* optional

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