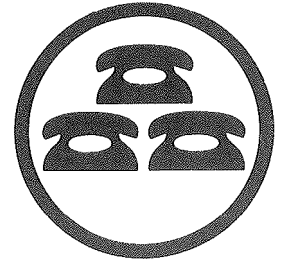


# Secretarial System Mk.VI



## with auto or c.b. exchange lines

This flexible 2-station system for principal and secretary ensures the busy executive freedom from the distraction of answering unimportant telephone calls and provides the following main facilities:

Access to a joint exchange line for secretary (Control Station) and principal (Terminal Station).

An additional exclusive exchange line to either or both stations if required, i.e. a maximum of three exchange lines.

Inter-station communication.

Incoming calls on the joint line are answered by Control and extended to Terminal if necessary.

Extended calls may be made secret or non-secret from Control by simple terminal-strap adjustment.

Outgoing calls on the joint line can be made from both stations.

A joint line call can be held and transferred if necessary by either station during an enquiry call.

Either station can effect 'operator recall' by press-button operation.

Exchange lines may connect to an auto or c.b. public exchange, a PABX, PAX or PMBX. The exchange line loop resistance, including the telephone, can be up to 1000Ω.

Lamp supervision is given as follows:

(a) On both telephones by a green lamp if the joint line is engaged.

(b) On the disengaged telephone by a clear lamp if an exclusive line is engaged.

By means of an 'extend bell' key on the Control telephone, incoming calls can be signalled at the Terminal station when Control is not manned.

### Power Supplies

Power for the system is obtainable from any one of the following sources:

The local a.c. mains via a 6V battery eliminator (power unit).

Four 1.5V dry cells.

A local 50V power supply (e.g. from a PAX) via a retard/capacitor element in a buzzer unit.

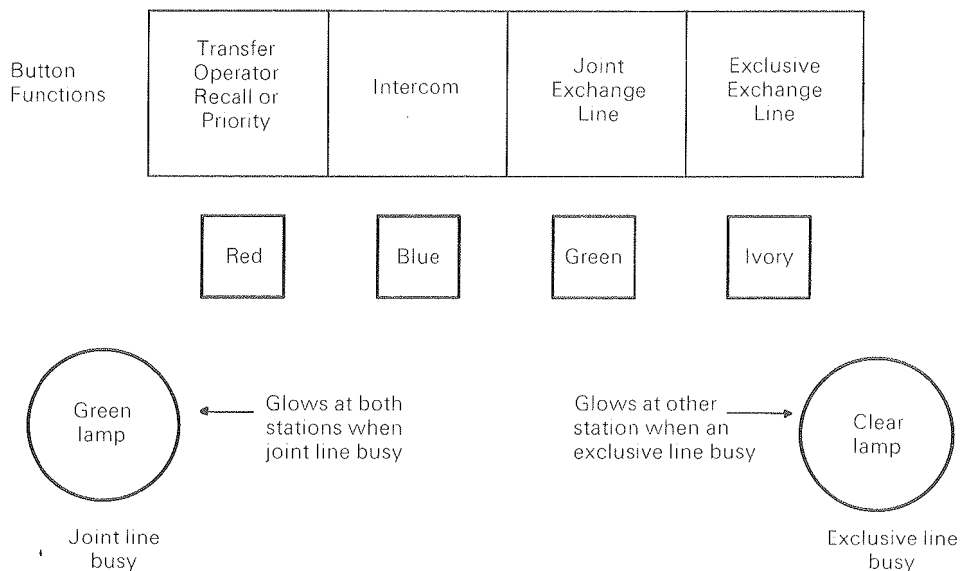


Control station instrument



Terminal station instrument

## Secretarial System Mk.VI continued



Layout and functions of the telephone pressbuttons and lamps

### Equipment Details

#### Telephone Instruments N1906D

These are fully tropical Plan-telephone type instruments, each with four pressbuttons and two lamps positioned as shown in the diagram above. The appearance of the Control and Terminal telephones is identical, except for a lever switch (below the dial on the Control telephone) which is used to extend joint line incoming ringing to the Terminal station when the Control station is unattended. In this circumstance it can be arranged either for the Control bell to be switched off or left in circuit.

Stock instruments are ivory or two-tone grey; other colours in the instrument range can be supplied if required in sufficient quality.

The components, all mounted on the base, are exposed by lifting off the telephone body which is secured to the base by two screws under the handset.

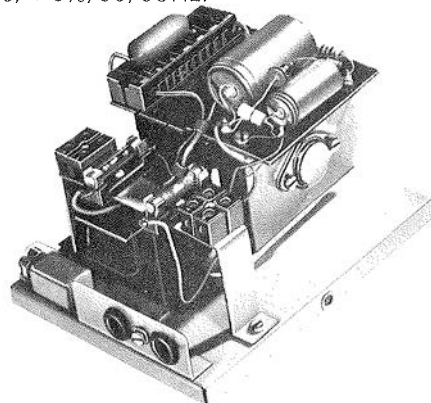
The instruments feature high-efficiency elements and handset. A plug-in automatic line regulator which controls transmission sensitivity over short lines is included; when not required it is inverted in the base jack. All springsets and the dial mechanism are protected by plastic covers; provision is also made to exclude dust and insects from the interior of the telephone. Wire and cord conductors are PVC

insulated. Cables connect to screw terminals in a moulded desk block.

#### Power Unit N23801B

This is a battery eliminator incorporating transformer, choke, fuses and terminal block in a grey-enamelled metal case. The smoothed output is  $6V \pm 0.5V/1A$ , d.c. and the input 100 to 125V in 5V steps, 200 to 250V in 10V steps, + 6%, 50/60Hz.

Power Unit  
N23801B



#### Dry Cells

(Alternative to power unit)

These are purchased locally by customers.

### Buzzer/Retard Unit N24202A

The unit contains a retard/capacitor element to allow operation from a 50V supply, an a.c. buzzer for direct line signals, and a screw terminal block for the connections. The enclosure consists of a metal base and a moulded grey plastic cover secured by one screw.

### Buzzer Unit 678/1/20155

This is the unit described above with the retard/capacitor element removed, and is used for exclusive-line signals only.

Buzzer/  
Retard Unit N24202A

### Equipment Requirements

System Facility	Working Voltage	Telephones	Buzzer/Retard Unit	Buzzer Unit Only	Power Unit
Joint exchange line only	6V	2	—	—	1
	50V	2	1	—	—
One exclusive exchange line only	6V	2	—	1	1
	50V	2	1	—	—
Two exclusive exchange lines	6V	2	—	2	1
	50V	2	1	1	—

### Dimensions

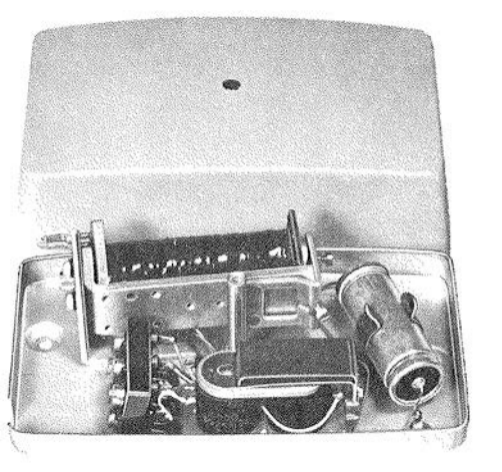
Equipment Item	Height		Width		Depth	
	in	(mm)	in	(mm)	in	(mm)
Telephone (control or terminal)	4 $\frac{7}{8}$	(124)	9 $\frac{5}{16}$	(237)	8 $\frac{7}{8}$	(225)
Buzzer or Buzzer/Retard unit	2	(51)	6	(152)	3 $\frac{5}{8}$	(92)
Power unit	6 $\frac{1}{2}$	(165)	4 $\frac{5}{8}$	(119)	4 $\frac{5}{8}$	(119)

### Weights (approx.)

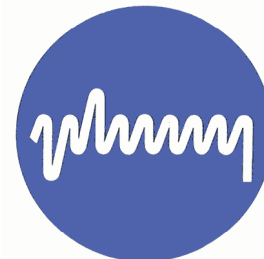
Equipment Item	Code No.	Net Weight		Shipment Weight	
		lb	(kg)	lb	(kg)
Telephone (control or terminal)	N1906D	4 $\frac{1}{8}$	(1.87)	*Fifty telephones 356	(161.4)
Buzzer/Retard unit Buzzer unit	N24202A 678/1/20155	1 $\frac{1}{2}$	(0.68)	*Forty buzzer units 69 $\frac{1}{2}$	(31.5)
Power unit	N23801B	5 $\frac{1}{2}$	(2.5)	*Twenty power units 170	(77.1)

\*multiple export pack





# Private Communication Systems

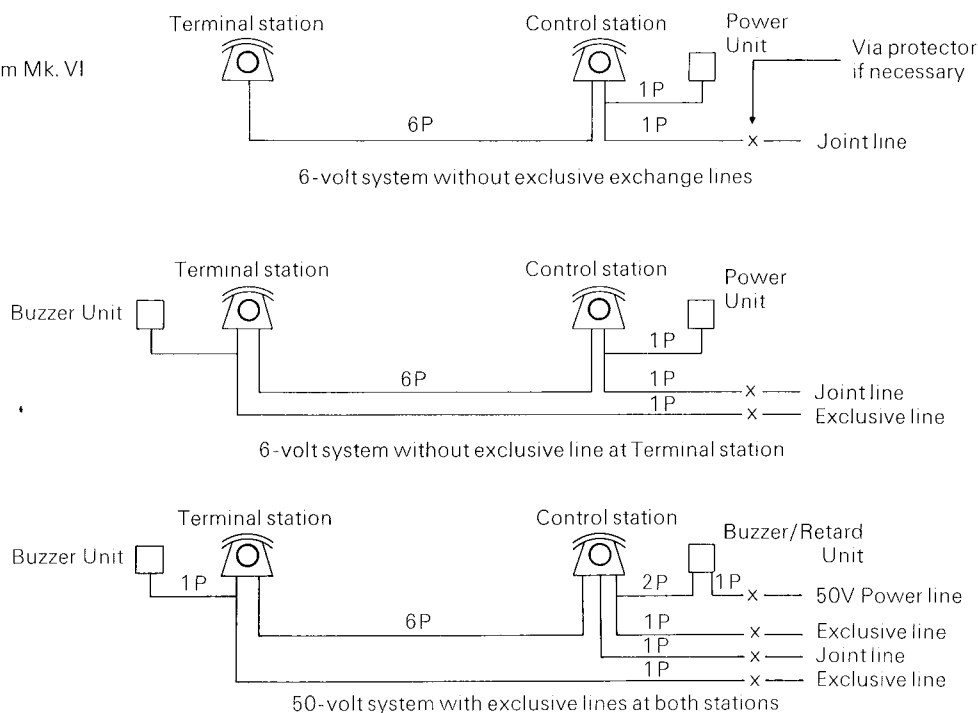


## Cabling and Installation

The typical diagrams below show the numbers of conductors required between units, etc. Full instructions for installation are given. The maximum distance permissible between stations is

determined by the effective signalling distance, which allows a line resistance of  $9\Omega$ . This is equivalent to about 200ft (61m) of  $6\frac{1}{2}$ lb/mile (1.8kg/km) cable, but the distance can be greater with cable of heavier gauge.

Three typical examples of Secretarial System Mk. VI application



## Ordering Information

This publication is issued to provide outline information only and (unless specifically agreed to the contrary by the Company in writing) is not to form part of any order or contract or be regarded as a representation relating to the products or services concerned. We reserve the right to alter without notice the specification, design, price or conditions of supply of any product or service.

When ordering, please specify 'Secretarial System Mk. VI', together with quantities of the appropriate items listed in the 'Weights' table overleaf, and provide additional information (a) to (c) as appropriate.

- Telephone colours required.
- Amount of interconnecting multiple cable required.
- Details of local mains voltage and frequency, if power unit required.

**Plessey Telecommunications**  
**Private Communication Systems**  
**Beeston, Nottingham, England, NG9 1LA**  
**Telephone: Nottingham (0602) 254831**  
**Telex: 37201**