

Private Manual Branch Exchange Panel-mounted 5+25

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Descriptive
leaflet

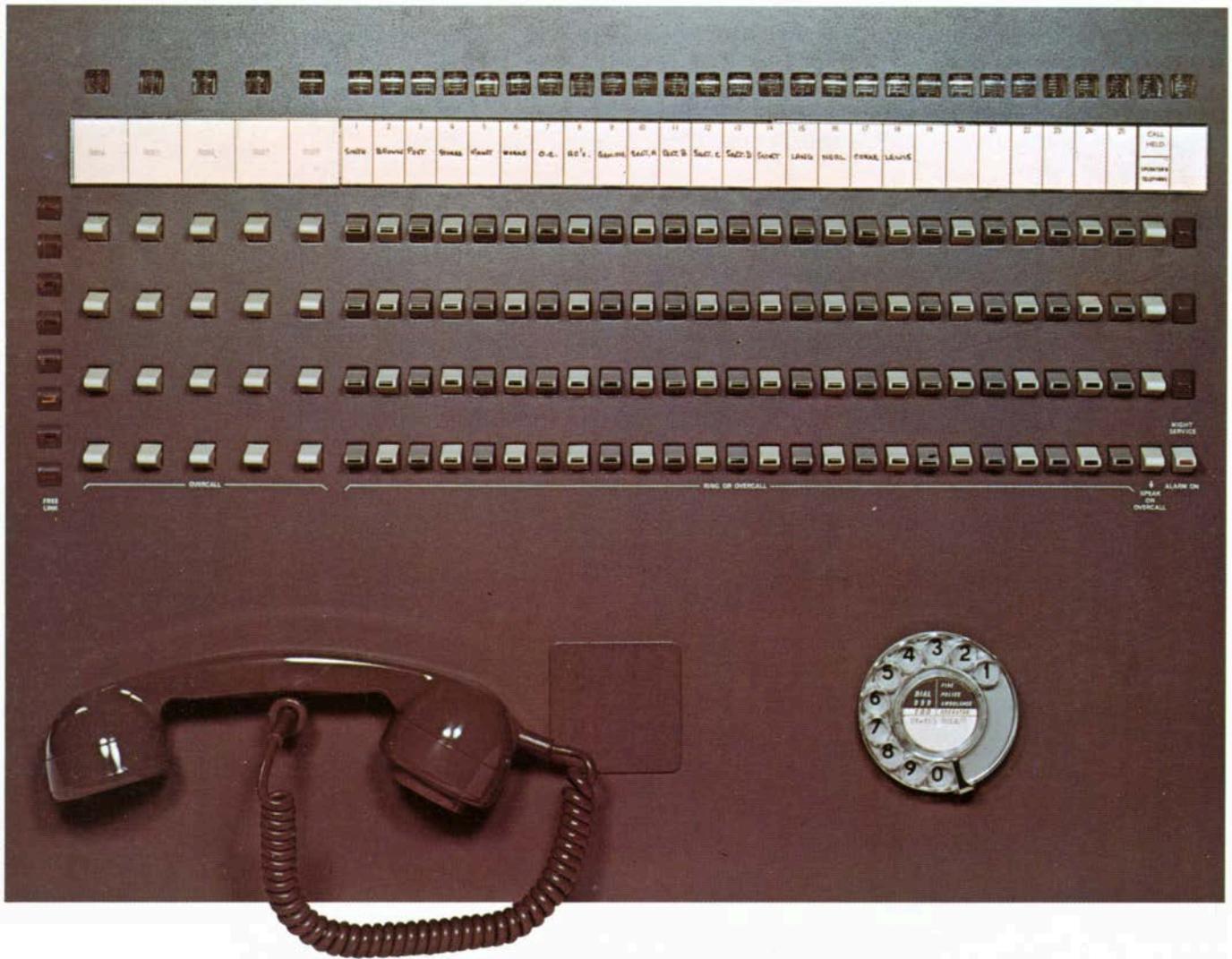
DLC 320

Several sizes of cordless switchboard can be provided to meet a wide range of business requirements (see table on back page).

This leaflet describes the panel-mounted cordless switchboard which can be fitted into a desk or console provided by the customer to suit his particular requirements.

The switchboard is normally suitable for use with up to four exchange lines and eighteen extensions, and with certain limitations can be used with five exchange lines and twenty five extensions.





How it operates

Each exchange line, each extension, and the operator's telephone, has a signalling lamp with a column of keys beneath it. The keys are used to answer and connect calls.

By pushing keys in the top, second and third rows up or down, or keys in the fourth row up, seven independent connecting circuits can be used.

Exchange line calls are held automatically if the operator has to leave the line to make an enquiry. The lamp above the operator's keys glows continuously while any exchange line is held.

Extensions are called by pressing down the associated key in the fourth row.

Facilities

Up to four exchange lines and up to eighteen extensions can normally be connected to the switchboard. Under conditions where the calling rate from extensions is low, five exchange lines and twenty-five extensions can be connected.

Extensions can be internal, external, or inter-switchboard although those other than internal are limited to twelve. Private circuits can also be connected in place of external extensions.

Extension telephones are provided with dials so that outgoing calls can be dialled direct from each of those extensions when the operator has connected it through to an exchange line.

Internal calls between extensions are connected by the operator.

Each extension telephone has a press-button which can be used to signal the operator while a call is in progress. The operator can then assist or transfer the call to another extension.

The operator can hold an exchange call and speak to an extension without being heard by the person making the incoming call. A glowing lamp reminds the operator that the exchange line is being held.

If an exchange call is received on a line before the operator has been able to disconnect it from a previous call, the new call is automatically intercepted at the switchboard. A lamp glows on the switchboard to warn the operator, and the extension to which the line is still connected is not rung.

Seven separate calls can be in progress at the same time.

The operator can answer further calls when all seven connecting circuits are in use.

All calls are signalled with lights on the switchboard.

A buzzer, which operates with the lights, can be switched on or off. It can be set by the installation engineer to give a loud, medium or soft output.

The next free connecting link to be used is indicated by the appropriate lamp glowing in a column of "free-link" lamps down the left-hand side of the switchboard.

Power for signal lights, buzzer and bells is obtained from a unit connected to the mains.

If there is a mains failure, exchange calls in progress remain connected. A fresh incoming call on the first exchange line rings the bell in the operator's telephone. The other exchange lines can each be switched through to an extension so that calls can be made and answered at those telephones.

A stand-by power supply, for use in the event of a mains failure, together with a mains-failure warning light arrangement on the keyboard can be provided for an additional charge.

Night service is provided by connecting each exchange line to an extension and switching on the night service key.

Extension arrangements to plans 1, 1A, 2, 9, 12A, 105, 105A, 107 and 107A can be provided on switchboard extensions.

General information

Before a customer makes detailed plans to design and construct a console to incorporate this equipment it is essential to get full advice from the Telephone Sales Office.

In addition to the switchboard, an apparatus box, power unit, and an auxiliary unit for each external extension or circuit with special telephone arrangements are provided. Dimensions and weights are given in the table below.

This equipment, in elephant grey metal cases, can be fitted inside the console if there is adequate ventilation. Alternatively, the units can be wall-mounted in any convenient position, provided that the cable run from the switchboard does not exceed 100 ft (30.5m).

The power unit is connected to a 3-pin socket outlet of at least 2-amp rating, supplied by the customer.

A grey handset is provided for the operator. A grey lightweight headset can also be provided, for a small additional charge.

Tablephones in two-tone grey, two-tone green, light ivory, topaz yellow, lacquer red, concord blue, or black can be provided on extensions. If wallphones or special extension arrangements are required, the choice of colour is limited to two-tone grey, light ivory, or black.

Trimphones can be provided on most extensions for a small additional rental. There is a choice of three colours – grey, blue and green – each is a dual-tone with the handset in the darker tone.

Dimensions, space requirements, and weights

PMBX Size	Equipment	Height	Width	Depth	Approximate Weight
5 + 25	Keyboard	18" (457mm)	24½" (622mm)	7" (178mm)	30lb (14kg)
	Opening in console	16" (406mm)	23¼" (591mm)		
	Clearance behind opening			12" (305mm)	
	Apparatus box	18" (457mm)	23¾" (603mm)	7" (178mm)	60lb (27kg)
	Power unit when auxiliary units are provided	18" (457mm)	12" (305mm)	7" (178mm)	53lb (24kg)
	Auxiliary unit	6½" (165mm)	12" (305mm)	7" (178mm)	10lb (4.5kg)

The following sizes of **DESK-STANDING PMBX cordless switchboards** are also available.

Exchange lines	Extensions	Calls possible at same time	Descriptive leaflet number
2	6	3	DLC 300
3	12	5	DLC 301
4	18	7	DLC 302

Please note

We do our best to supply our customers with the apparatus they ask for but we may have to provide apparatus which does not accord exactly with the descriptions and illustrations in this leaflet.

Rental and connexion charges are quoted in DLC 1 – the preface sheet for Section C descriptive leaflets.

Your Telephone Sales Office will gladly supply any further information. The address and telephone number are shown in the preface of your telephone directory.