

Private Manual Branch Exchange (2+6)



DESCRIPTIVE
C300

PRIVATE MANUAL
BRANCH EXCHANGES

A modern, cordless switchboard of a style approved by the Council of Industrial Design; housed in a grey plastic case only 8" wide, 5" high and 10" deep. A matching, two-tone grey telephone is provided for the operator. The switchboard and telephone can go on any desk or table and can be put in any position to suit the operator.



FACILITIES

Two exchange lines and up to six extensions can be provided. The extensions may be internal, external, inter-switchboard or private circuits except that external circuits, and circuits with special telephone arrangements, are normally limited to three.

The operator can be recalled from any extension by press-button on the telephone.

Three connecting circuits enable three separate calls to be in progress at the same time.

A secretarial facility allows the operator to speak to an extension, without being overheard, while holding an exchange call on the same connecting circuit. A light reminds the operator that the exchange line is being held.

Signalling is by lights on all calls.

An alarm buzzer, which operates with the lights, can be switched on or off by means of an alarm key.

A mains unit provides power for signal lights and bells.

In the event of a mains failure exchange calls in progress are kept connected; fresh incoming calls on the first line ring the bell in the operator's telephone, while the second line can be switched through for further incoming calls to ring an extension.

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

Modern telephones from the full range of colours are provided on all extensions without extra charge.

Extension arrangements to plans 1, 1A, 2, 4, 9, 12A, 105, 105A, 107 and 107A can be provided on switchboard extensions.

Clock-type private meters can be used with the switchboard in STD areas to record STD units actually debited.

GENERAL INFORMATION

The switchboard unit weighs 12 lb.

The PMBX operates at 50 volts DC which, together with a ringing supply of 25 cycles a second, is obtained from an AC mains-driven

power unit, working from a suitable 3-pin socket outlet supplied by the customer.

The power consumption is low, at 20-50 watts for an installation with internal extensions only, going up to 40-90 watts for more complicated installations with external extensions. The power unit, together with a connexion block, is usually attached to the wall in any inconspicuous, convenient position. For the most simple installation this equipment weighs 17 lb; it occupies a wall space 12" wide by 16" high and protrudes 7 $\frac{1}{4}$ ".

When external circuits and circuits with special telephone arrangements are provided, a slightly larger power unit, weighing 20 lb, is required. An auxiliary unit is also necessary for each of these circuits (limited to three); each unit weighs 10 lb and is 12" wide, 6 $\frac{1}{2}$ " high and 7 $\frac{1}{4}$ " deep.

The cases of these power and auxiliary units are eggshell-finish elephant grey.

**Rental and connexion charges
are quoted in the preface sheet**

**THE TELEPHONE MANAGER
WILL GLADLY SUPPLY
ANY FURTHER INFORMATION**

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