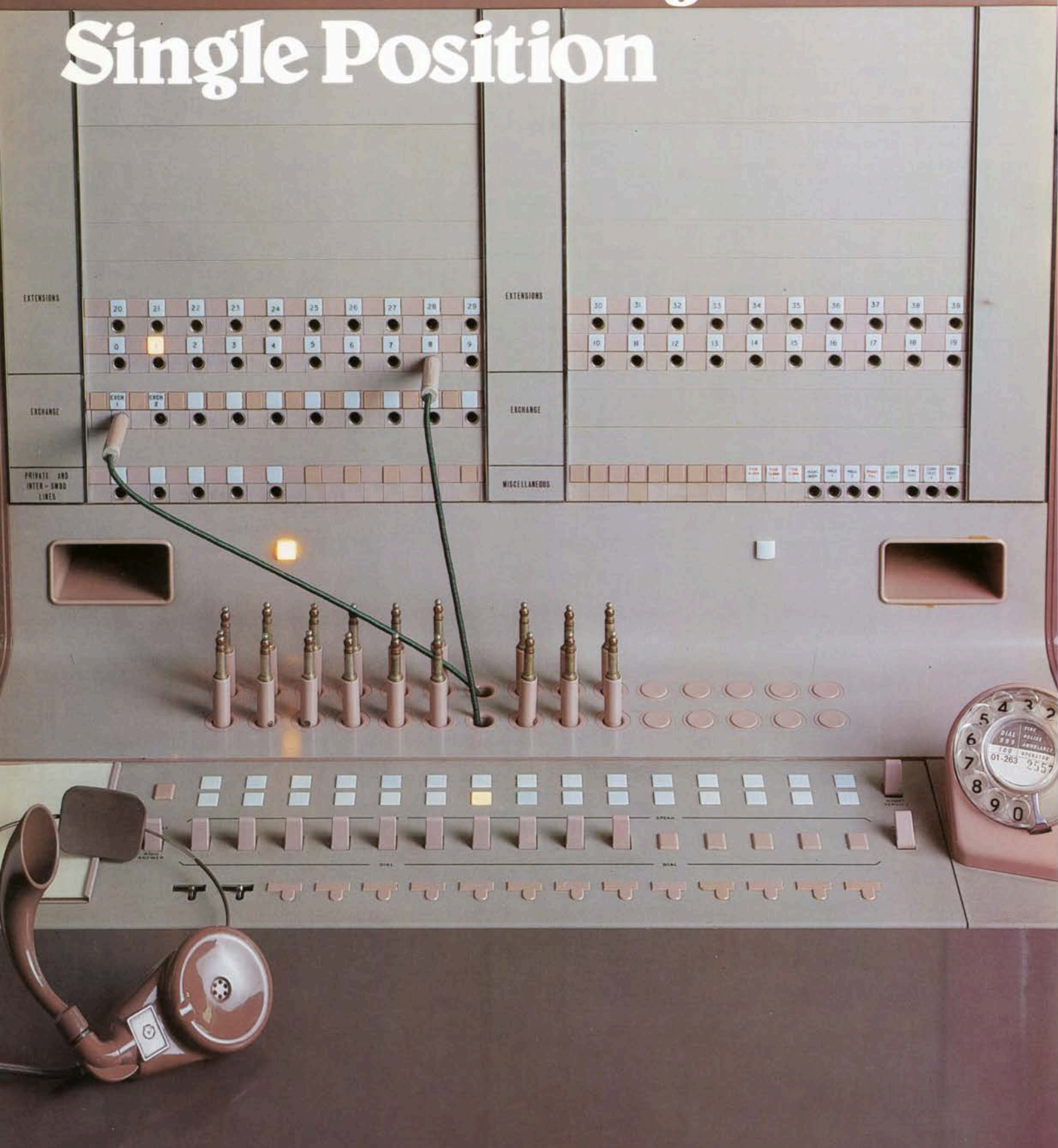


Private Manual Branch Exchange 4 Single Position



British

TELECOM

Private Manual Branch Exchange 4 (PMBX4) Single Position

Designed to meet the needs of businesses requiring up to 10 exchange lines and 40 extensions, this switchboard enables a personal service to be offered to all extension users.

Capacity

The basic switchboard is suitable for up to 10 exchange lines, 5 private or inter-switchboard circuits, and 40 extensions.

The number of extensions can be increased up to a maximum of 160. The number of exchange lines and private or inter-switchboard circuits can also be increased, but the number of incoming calls which can be dealt with will be limited by the number of cord circuits fitted.

Free advice is given on the loading of the switchboard to ensure that the standard of service remains satisfactory.

Description

The switchboard has two panels of connecting jacks, and all exchange lines, extensions, private circuits and inter-switchboard circuits have individual calling lamps.

Ten cord circuits are normally provided on the switchboard to allow 10 calls to be connected at the same time. The number of cord circuits can be increased to a maximum of 15, if required.

Switchboard facilities

All calls are signalled by lights and, if required, an alarm buzzer. The buzzer which is set to low, medium or loud volume of sound by the engineer who installs the switchboard, can be switched off by means of a key. Automatic ringing (0.75 second on, 2.25 seconds off, repeated) is applied when a calling cord is plugged into an extension jack. Ringing continues until the extension answers. Continuous ringing can be obtained on an answering cord by pressing a 'ring/answer' key while operating the 'speak' key.

An exchange call can be held by the operator while speaking to an extension. A different cord circuit is used to prevent the caller overhearing. The operator can interrupt a call to ask if the extension will take another call.

A circuit is provided to prevent an incoming exchange call ringing an extension before the PMBX operator has been able to disconnect it from a previous exchange line call. A flashing signal draws the operator's attention to the new exchange line call.

In the event of a mains failure which cuts off power for signal lamps, bells, and internal calls, a restricted service is still possible. Exchange calls in progress remain connected, and the operator can still make and receive exchange calls.

Service outside normal office hours (night service) is arranged by connecting exchange lines to selected extensions.

A grey lightweight headset is provided for the operator. A twin socket allows for an extra headset to be plugged in for training purposes.

The switchboard dial can be changed by the operator and a spare dial is provided for each installation.

A press-button keysender can be provided in place of the conventional dial. Additional charges apply.

Extension facilities

Each internal or external extension telephone has a press-button so that the operator can be recalled, if necessary.

*Extensions can be provided with dial or press-button telephones so that calls may be established without further operator assistance when the extension is connected to an exchange line.

On an outgoing exchange line call, the line is released as soon as the extension handset is replaced.

*Extension arrangements to plans 1, 1A, 2, 4, 12A, 105, 105A, 107 and 107A can be provided on switchboard extensions. For many of these arrangements, instruments can be provided in a wide choice of colours.

General information

The switchboard is finished in two-tone grey plastic laminate. Most of the equipment is contained inside the



switchboard, but the power unit, ringing and signalling units are separate. This equipment is usually wall-mounted in a convenient position near the switchboard. If many signalling units are necessary, the equipment can be floor-standing.

Dimensions

The switchboard measures 730mm wide, 850mm deep and 1220mm high, and it weighs approximately 205 kg. The switchboard is free-standing and needs about 900mm clear space behind it for maintenance purposes. There should also be at least 900mm clearance to one side of the switchboard and 300mm on the other; there should be no obstruction of the space above the switchboard.

For wall-mounted equipment, the simplest installation, for example, requires a wall-space of approximately 750mm x 750mm and stands out about 300mm.

Power

The equipment is mains-powered and works from a 3-pin switched socket outlet of at least 13-amp rating provided by the customer.

*Additional charges apply for press-button telephones and extension arrangements.

DLC 331

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, illustrations and shades of colours shown in this leaflet.

Your Telephone Sales Office will gladly supply any further information or details of any changes in the

information in this leaflet since it went to print. The address, telex and telephone numbers are shown in the preface of your Telephone Directory. Information on a wide range of our services and apparatus is contained in the Green Pages section of most Telephone Directories.