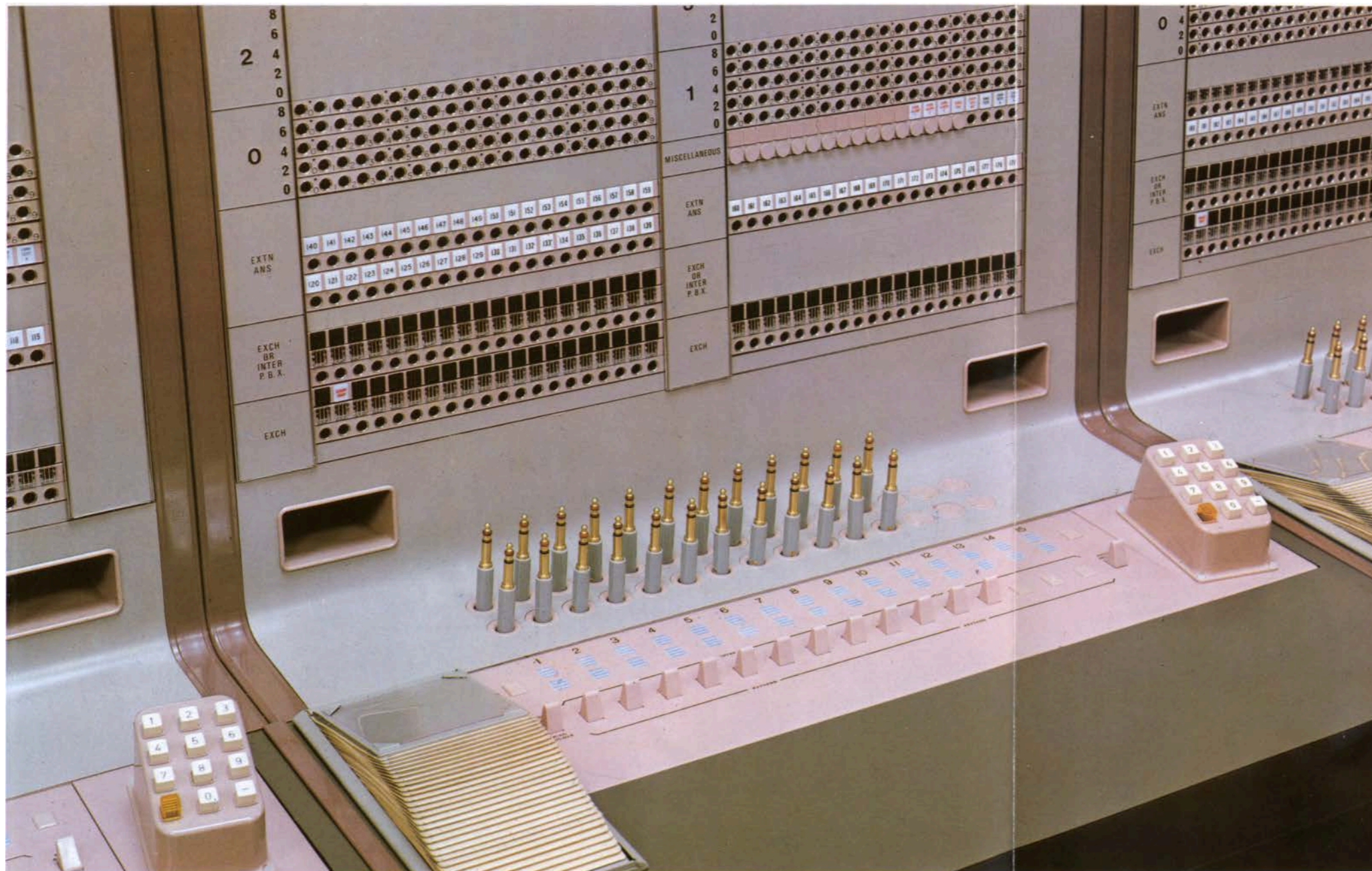


Private Manual Branch Exchange II (PMBX II) Multiple Position

Designed to meet the needs of a large organisation and offering a personal service to all extension users.

A flexible system. As your business grows, this system can grow with you.





Capacities

The maximum capacity of the PMBX 11 is 80 exchange lines/private circuits and 400 extensions. The number of operator positions required will depend on the needs of the organisation and the number of exchange lines/private circuits and extensions. An organisation which requires between 10 and 20 exchange lines and 40 to 80 extensions will generally need two positions.

Description

The switchboards are finished in two-tone grey plastic laminate.

Each exchange line, extension, private circuit and inter-switchboard circuit has a calling lamp and answering jack. These can be arranged out of numerical sequence over the multiple positions to distribute the incoming calls evenly between the operators.

Additionally, as each position has two panels of jacks, which accommodate all extension circuits arranged in numerical sequence, each extension circuit is available to each operator.

A self-contained Keysender is provided as standard on each position instead of the standard operator's dial.

Each position, (except the first) when unstaffed, can be coupled to the position on its left.

Twelve cord circuits are normally provided on each position to allow twelve calls to be connected at the same time. The number of cord circuits can be increased to a maximum of 15.

Switchboard facilities

All calls are signalled by lights and, if required, an alarm buzzer. The buzzer, set to low, medium or loud volume, by the engineer who installs the switchboards, can be switched off.

Visual indication of the next exchange line to be used for making calls is provided.

Automatic ringing is applied when a calling cord is plugged into an extension jack and continues until the extension answers or the operator withdraws the calling plug.

An exchange call can be held by the operator while speaking to an extension, and the caller can be prevented from overhearing the conversation.

The operator can interrupt a call to ask if the extension will take another call.

(Total meters are useful for checking the units used on a series of calls, but for technical reasons they are unsuitable for checking the total metered units which will appear on the telephone bill.)

Service outside normal office hours is arranged by connecting exchange lines to selected extensions.

A grey lightweight headset is provided for each position. A twin socket on each position allows for an extra headset to be plugged in for training purposes.

Extension facilities

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

Extensions can be provided with dial telephones or, in most cases, push-button telephones so that calls can be made direct 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 plans 1, 1A, 2, 4, 9, 12A, 105, 105A, 107 and 107A can be provided on switchboard extensions. Telephones on extension arrangements plans 2 and 9, also the main telephones of extension plans 12A, 105, 105A, 107 and 107A are available in black, two-tone grey or ivory only.

Telephones in two-tone grey, two-tone green, ivory, yellow, red, blue or black can be provided on other extensions.

When wallphones are provided the choice of colour is limited to two-tone grey, ivory or black.

Trimphones can be provided on extensions for a small additional rental, and are available in grey, blue, or green; each is a combination of two-tones, with the handset in the darker tone.

Push-button telephones in ivory and two-tone grey, and push-button Trimphones in blue and grey are also available for additional charges.

Incoming exchange calls are prevented from ringing an extension when the PMBX operator has not been able to disconnect the cords from a previous exchange line call to that extension. A flashing signal draws the operator's attention to the new exchange line call.

Cyclometer-type meters can be provided for any of the following purposes:

1. Cord circuit trip meters to indicate units used on individual calls.
2. Exchange line total meters to record total units used on individual exchange lines.
3. Trip or total meters to record, at a central point, the units used on predetermined extensions.

General information

The switchboards are free standing and need about 900mm clear space behind them for maintenance purposes. There should also be at least 900mm clearance to one side of the switchboards and 300mm on the other, and there should be no obstruction of the space above the switchboards.

The dimensions of a single position are 730mm wide, 934mm deep and 1220mm high, the weight is approximately 226 kgs.

The equipment is mains-powered from a 3-pin switched mains supply socket of at least 13-amp rating provided by the customer, except when the switchboard load exceeds 25-amps in which case a mains power supply, fused at 30-amps and a 30-amps double switch is required. The power unit is purpose-built and is designed to match the board and equipment.

In the event of a power failure, at installations without standby power, the operator may plug exchange lines through to extensions and also may supervise one exchange line per position by use of the Exchange Answer Mains Fail Key and Lamp. The operator's Keysender does not operate under these conditions; outgoing calls can only be made from extensions.

Each suite of PMBX 11 switchboard sections has a cable turning section fitted at one end. This is half the width of one of the switchboard sections and accommodates the common alarm keys and lamps.

The majority of the equipment is situated outside the switchboard in modular units. These units have been designed to be acceptable alongside office furniture. Each unit measures 838mm wide 370mm high and 353mm deep and they can be stacked or placed side by side against a wall or free standing as best meets the accommodation requirements. A typical 3 position PMBX 11 will require about 8 units which could, for example, be provided in 2 stacks each of 3 units and one stack of two units.

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.

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 and telephone number 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.
