

House Exchange System Keymaster (2+10)



DESCRIPTIVE
DLA122
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EXTENSION
ARRANGEMENTS AND
PRESS-BUTTON SYSTEMS

A new inter-communication system, using special modern press-button telephones, which enables people at up to ten stations to call direct and talk to one another. Calls can be made or received at any station, on either of two exchange lines, and transferred from one station to another.

The system is particularly suitable for professional offices, or large houses. The telephones are available in black, two-tone grey, and ivory.



Arrangement of press-buttons and signal lamps

EXCHANGE LINES 1 and 2—Connect the telephone to either line. (Locking press-buttons)

RELEASE, R and R—Release the associated exchange-line button when an exchange call is transferred from one station to another. (Non-locking press-buttons)

STATIONS 1-10—Call and connect the telephone to other stations. (Locking press-buttons)

CONFERENCE C—Enables up to ten station buttons to be locked to a conference call. (Locking press-button)

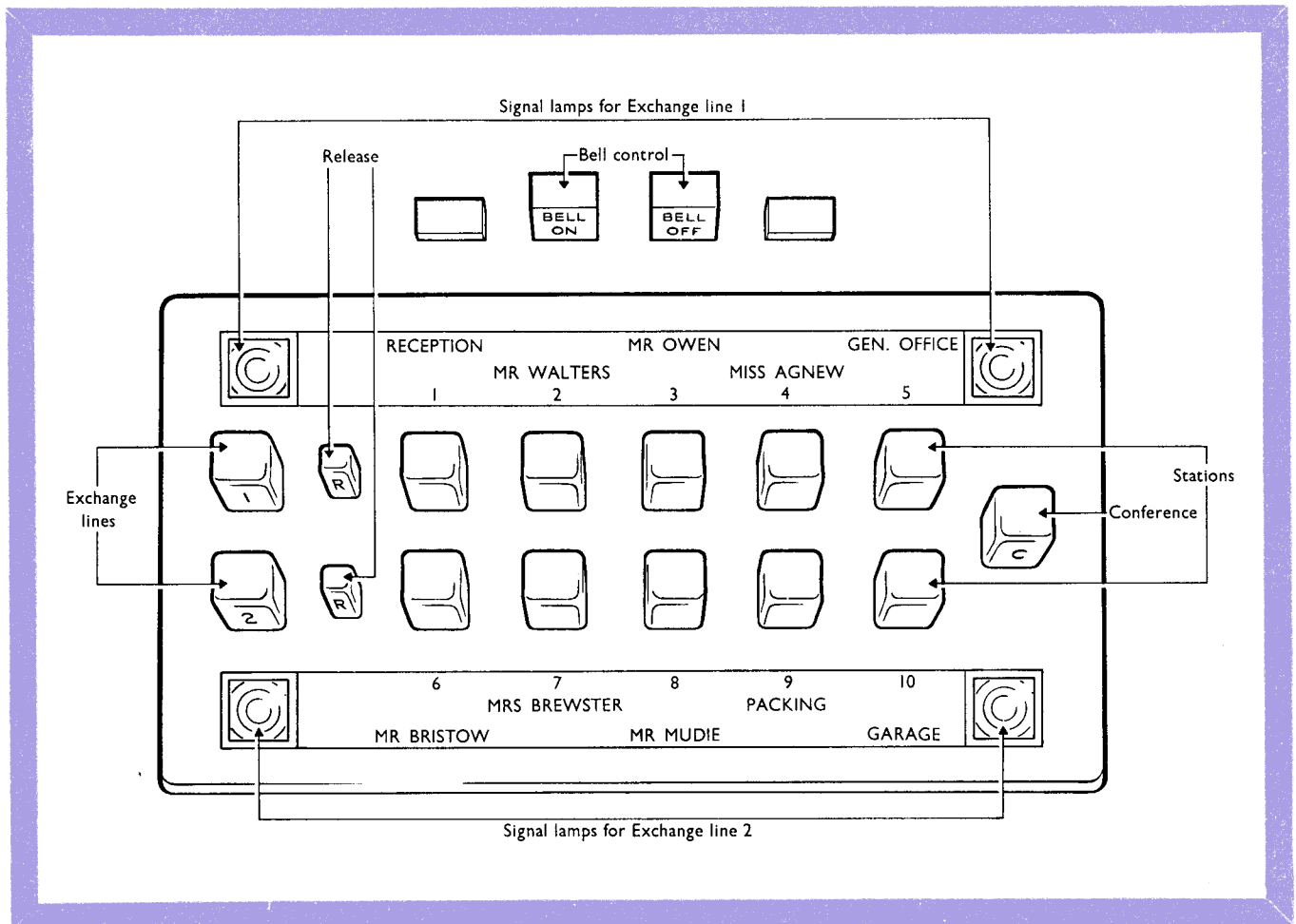
BELL CONTROL, BELL ON—BELL OFF—Switch the bell in the telephone into or out of use. (Locking press-buttons)

RELEASE OF LOCKED BUTTONS—

Replacing the handset at the end of a call releases any locked button, except either of those on the bell control.

SIGNAL LAMPS, LEFT—Are associated with each exchange line and light simultaneously on all station telephones. The lights flash in step with the bell when an incoming call is received. The lights flash at regular intervals, two or three times a second, when an exchange call is held. The lights shine steadily while an exchange call is in progress.

SIGNAL LAMPS, RIGHT—Are associated with each exchange line. A light shines steadily only on the station telephone to which an exchange line is connected.



FACILITIES

Each station connects to either exchange line by press-button; a lamp on each telephone lights when either exchange line is in use.

Incoming exchange calls on either line are normally answered by one particular station called the 'main', but can also be answered by any other station. Exchange calls can be transferred from one station to another.

An incoming exchange call flashes a lamp on all station telephones, and rings the bell in up to five of them. Four of the telephones are provided with press-buttons to switch the bell on or off. The main station telephone bell cannot be switched off.

For calls between stations, pressing the appropriate button on top of the instrument sounds a buzzer in the wanted telephone. If that station is engaged on an exchange call, the caller's own telephone buzzer sounds; if it is engaged with another station on the system, the conversation will be heard.

Up to five independent calls can take place simultaneously between different pairs of the ten stations.

Any of the stations can hold an exchange call, make an enquiry call to another station and then return to the original call. The enquiry cannot be overheard by the exchange-line caller.

Any of the stations can hold an exchange call, and make or receive an exchange call on the other line without any overhearing.

Any number of the stations can be used simultaneously to take part in a conference call, but an exchange call cannot be included in the conference.

The installation is mains-powered. Exchange service is still available when there is a mains failure.

The following additional facilities can be provided

An eleventh station can be provided at the expense of some facilities.

One of the stations can have a monitoring

facility which enables it to interrupt established exchange-line calls.

If service is required in a distant building, such as a garage or gate lodge, and it is impracticable to use the normal multi-core cable to connect it, up to four of the telephones can be provided as extensions, having restricted facilities. These extensions, using modern telephones with two press-buttons, are associated with the main station which is equipped with a small control unit. A second station can be similarly equipped to take over, when required.

The extensions can make outgoing exchange calls direct but are dependent on the main station for incoming exchange calls. They can be called direct by stations, but require help from the main station to call other stations and one another.

Any of the telephones can be permanently barred from making or receiving exchange calls.

Any of the telephones can be barred from making or receiving exchange calls except by assistance from the main station.

PBX extensions can be connected in place of exchange lines or extensions.

Night service can be given on any station or extension, provided that the bell in the telephone is connected, or an additional bell is sited so that it can be heard at the telephone.

If the total number of bells to be rung is in excess of five, additional mains-powered equipment can be provided to ring up to ten bells.

In STD areas, a private meter can be associated with each exchange line to record the units on all outgoing exchange calls.

GENERAL INFORMATION

The station telephones have grey terminal blocks $6\frac{1}{4}$ " by $5\frac{3}{4}$ " by $1\frac{3}{4}$ " and are connected by grey plastic-covered cable, $\frac{7}{16}$ " in diameter.

The system is mains-powered and requires a 3-pin socket outlet, of at least 2-amp rating, to be supplied by the customer. The power unit

measures 14" by 12" by 7 $\frac{1}{4}$ " and weighs 40lb.

This is associated with a relay unit which measures 8 $\frac{1}{2}$ " by 12" by 7 $\frac{1}{4}$ " and weighs 12lb.

Each extension requires a relay unit which measures 8 $\frac{1}{2}$ " by 12" by 7 $\frac{1}{4}$ " and weighs 16lb.

The power unit and relay units are wall-mounted and are all located together in a convenient position near one of the station telephones.

The control unit for extensions stands on the desk near the associated main station. A unit catering for one extension is 5 $\frac{1}{2}$ " by 3 $\frac{1}{2}$ ", and 2 $\frac{3}{4}$ " in height; the unit which caters for two to four extensions is 5 $\frac{1}{2}$ " by 6", and 2 $\frac{3}{4}$ " in height.

Rental and connexion charges
are quoted in the preface sheet

THE TELEPHONE MANAGER
WILL GLADLY SUPPLY
ANY FURTHER INFORMATION