

Keymaster 1+5

This system provides intercommunication and conference facilities between five telephone 'stations'.

The station telephones can also be used to make and receive calls over one exchange line.

This economical arrangement is suitable for a small factory, office, or a large house.





How it operates

Raising the handset and pressing down the button marked EXCH connects a station telephone to the exchange line. The left-hand lamp on each telephone glows red while any station is connected to the line.

Incoming exchange calls flash the red lamp and ring the bell of each station telephone.

It is usually convenient to arrange that calls are answered by one particular station called the 'main', but any other station can answer.

The bell in each telephone other than the main station can be cut off by means of the locking button-switch marked BELL OFF.

To call another station the handset is raised and the appropriate numbered button is fully depressed to sound a buzzer in the required telephone. When the button is released it returns to normal, and the telephone is connected to the internal circuit.

The right-hand lamp on each station telephone glows white while an 'internal' call is taking place.

Any number of the stations can be called, one after the other, to join the internal call.



Standard facilities

Each station user can connect directly to the exchange line or call another station by press-button.

Any station user can answer an exchange call, and hold it while making an enquiry call to another station. The exchange line caller cannot hear the enquiry call.

After the enquiry the first station can return to the exchange call, or the second station can take over the call.

An exchange call from one station, and an internal call between other stations can be in progress at the same time, without overhearing.

Any number of the stations can have a conference on an internal call, but it is not possible to include an exchange line caller in the conference.

The lamp signalling is supplied from a power unit connected to the mains. In the event of a mains failure, the exchange line can still be used, but internal communication is not possible.

Optional facilities

There are practical limitations to the distance between stations, and if service is required to an outlying building, such as a garage, an extension telephone with limited facilities can be provided. A telephone with two press-buttons is used.

The extension can make outgoing exchange calls direct, but normally depends on assistance from the main station for its incoming exchange calls.

The extension can be called direct from all stations, but depends on the main station for calls for other stations.

Any station or the extension can be connected in such a way that it can never use the exchange line.

Alternatively, its use of the exchange line can be controlled by a switch at one particular station.

Any one station can be arranged so that it can intrude on and 'monitor' an exchange call.

An exclusive exchange line or a PBX extension, can be connected to each telephone in place of the common exchange line. Under this arrangement, transfer of calls is not possible.

General information

Station telephones can be provided in two-tone grey, ivory, and black. Each station telephone houses a bell for exchange calls, and a buzzer for internal calls, and a red lamp and white lamp for signalling. The bell in the extension telephone signals both exchange and internal calls. Extension bells, and extension buzzers can also be provided.

The station telephones have grey terminal blocks 127 mm by 76 mm by 38 mm, linked together with grey plastic-covered cable 6 mm in diameter.

The system is mains-powered from a 3-pin socket outlet of at least 2-amp rating, provided by the customer.

The power unit is wall mounted together with a small relay unit. The total weight of equipment is 13.6 kg.

If an extension is required a slightly larger relay unit is necessary, and the total weight of equipment is then 18.1 kg.

Special note

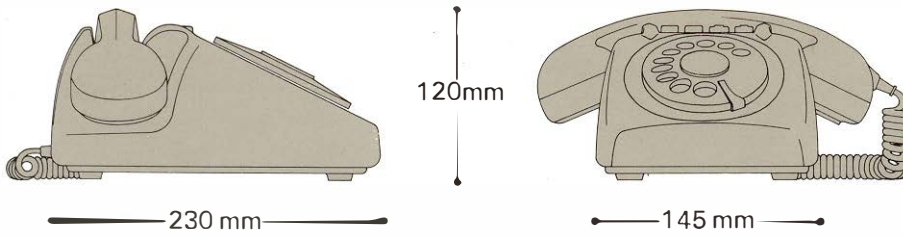
The order in which the stations are connected to the system needs careful consideration. When the EXCH button on station 1 is pressed the exchange line is cut off from the stations 2, 3, 4 and 5. When the button is pressed on station 2 the line is cut off from 3, 4 and 5, and so on.

It follows therefore that the most important staff should have the earlier stations and the most junior staff the last. It is not wise however to place the main station, which answers the majority of calls, too low in the order as this may cause difficulty in fulfilling that task.

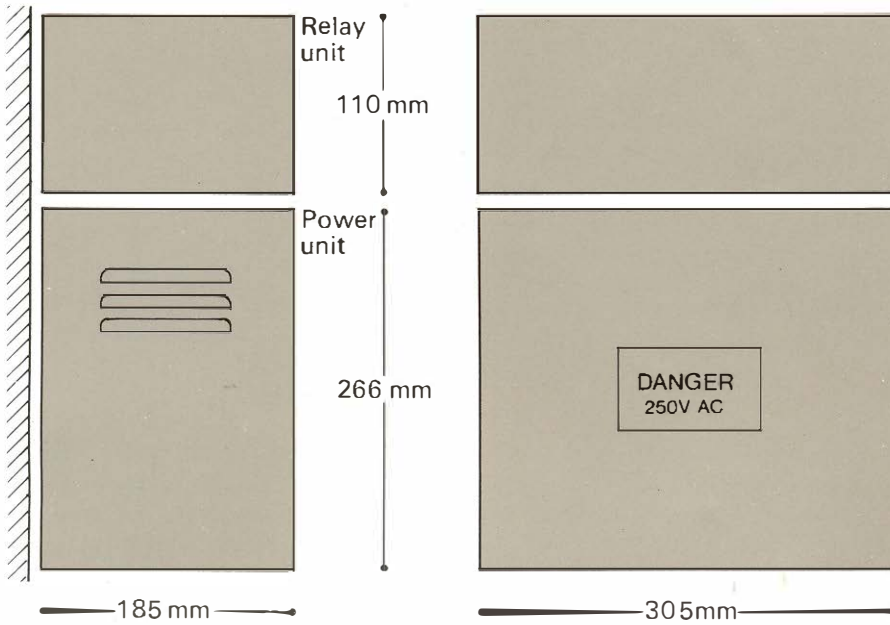
The order in which the stations are connected has direct bearing on the engineers' task of wiring the installation. It is essential that the requirements are fully discussed with a Sales Representative. He will prepare a schedule showing the required sequence of stations and liaise with the engineers to ensure that the requirements can be met.

Dimensions

Station telephone



Power unit and relay unit



If an extension telephone is provided the relay unit is 125 mm taller.

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. The address and telephone number are shown in the preface of your telephone directory.

Post Office
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