Post Office Telecommunications DLA 120

Keymaster 1+5

This system provides intercommunication and conference facilities between five Keymaster telephones.

The Keymaster 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 Keymaster telephone to the exchange line. The left-hand lamp on each Keymaster telephone glows red while any telephone is connected to the line.

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

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

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

To call another Keymaster telephone 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 Keymaster telephone glows white while an 'internal' call is taking place.

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

Standard facilities

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

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

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

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

Any number of telephones 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 Keymaster telephones 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 telephone for its incoming exchange calls.

The extension can be called direct from all Keymaster telephones, but depends on the main telephone for calls for other Keymaster telephones.

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

Alternatively particular Keymaster telephones may be modified so that their incoming or outgoing calls can be connected only with the assistance of the main Keymaster telephone.

Any one Keymaster telephone 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

Keymaster telephones can be provided in two-tone grey, ivory, and black. Each Keymaster 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 Keymaster 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 (305 mm × 185 mm × 266 mm) wall mounted together with a small relay unit (305 mm × 185 mm × 110 mm). The total weight of equipment is 13.6 kg.

If an extension is required a slightly larger relay unit (305 mm × 185 mm × 235 mm) is necessary, and the total weight of equipment is then 18.1 kg.

Special note

The order in which the telephones are connected to the system needs careful consideration. When the EXCH button on telephone 1 is pressed the exchange line is cut off from the telephones 2, 3, 4 and 5. When the button is pressed on telephone 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 Keymaster telephones and the most junior staff the last. It is not wise however to place the main telephone 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 Keymaster telephones 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 Keymaster telephones and liaise with the engineers to ensure that the requirements can be met.

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 or more up-to-date information. The address and telephone numbers are shown in the preface of your telephone directory.

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