# Keymaster 1+5



August 1972

Descriptive Leaflet DLA 120 Extension arrangements and press-button systems

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.





## 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 station, including one with a control switch, 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 5" by 3" by  $1\frac{1}{2}$ " (127 mm by 76 mm by 38 mm), linked together with grey plastic-covered cable  $\frac{1}{4}$ " (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 30 lb (13.6 kg).

If an extension is required a slightly larger relay unit is necessary, and the total weight of equipment is then 40 lb (18·1 kg).

# Special note

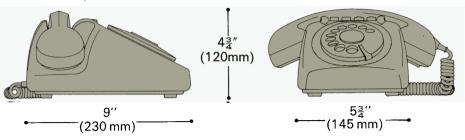
The order in which the stations are connected to the system needs careful consideration. When the EXCH button on station 1 is pressed the exchange line is cut off from the stations 2, 3, 4 and 5. When the button is pressed on station 2 the line is cut off from 3, 4 and 5, and so on.

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.

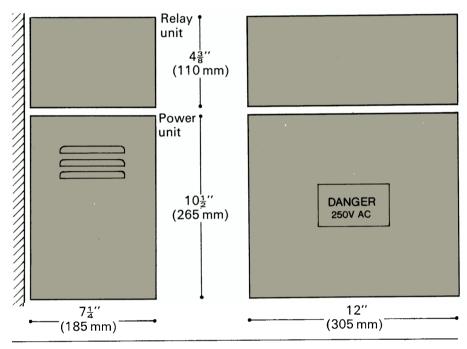
The order in which the stations are connected has direct bearing on the engineers' task of wiring the installation. It is essential that the requirements are fully discussed with a Sales Representative. He will prepare a schedule showing the required sequence of stations and liaise with the engineers 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 5" (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.

Rental and connexion charges are quoted in DLA1 the preface sheet for section A descriptive leaflets.

Your Telephone Sales Office will gladly supply any further information The address and telephone number are shown in the preface of your telephone directory.