

Key and Lamp units

March 1973

Descriptive
Leaflet

DLE 580

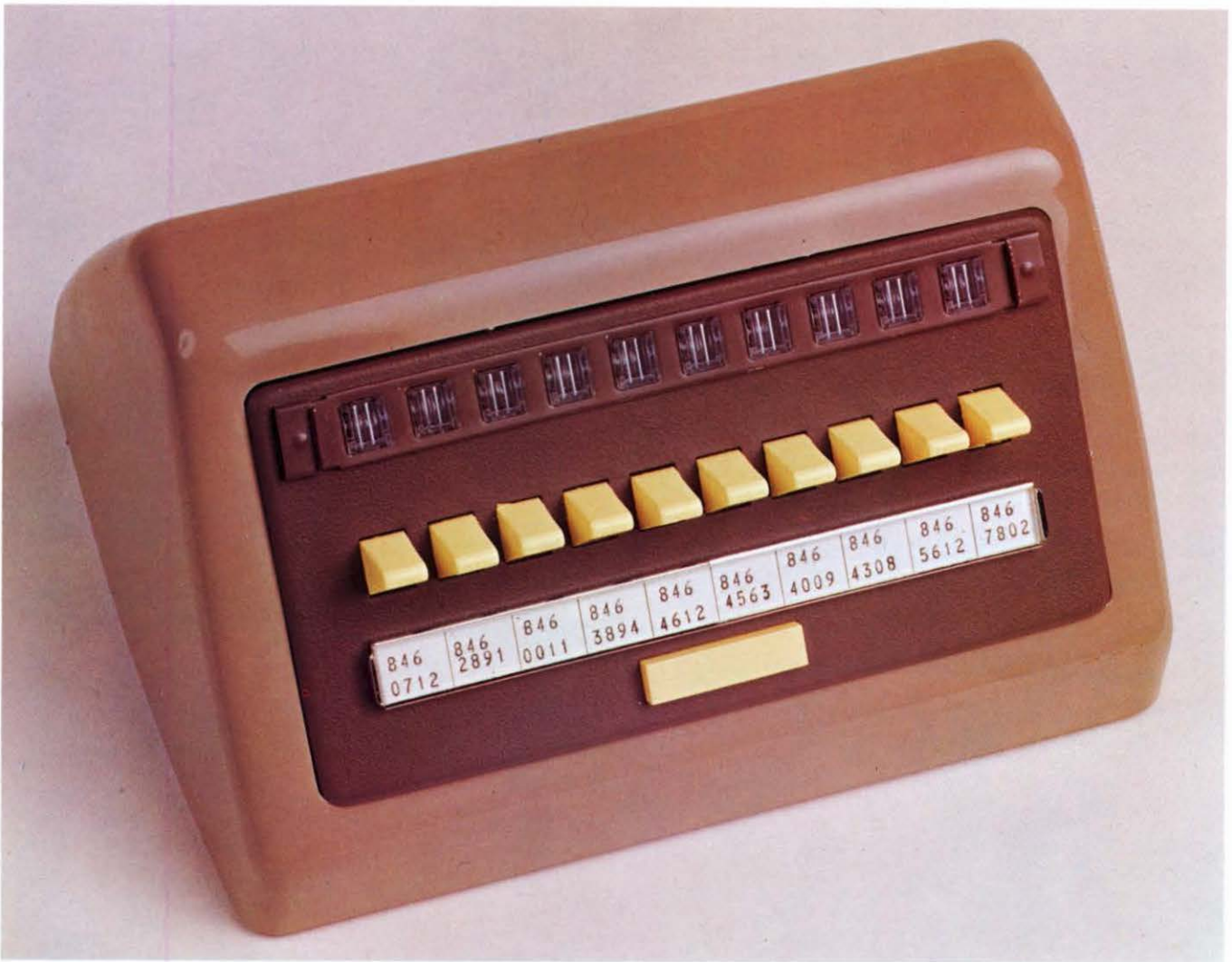
Key and lamp units provide a simple means of connecting any one of a number of telephones to any one of a group of circuits. These can be exchange lines, extensions, or private circuits.

The units are particularly useful where orders are taken by telephone, for example, in ticket agencies, press agencies, and stockists.

They can also be used by groups within an organisation to give joint use of a number of lines.

The units are normally provided in grey plastic cases, but can also be fitted into desks or consoles provided by the customer.





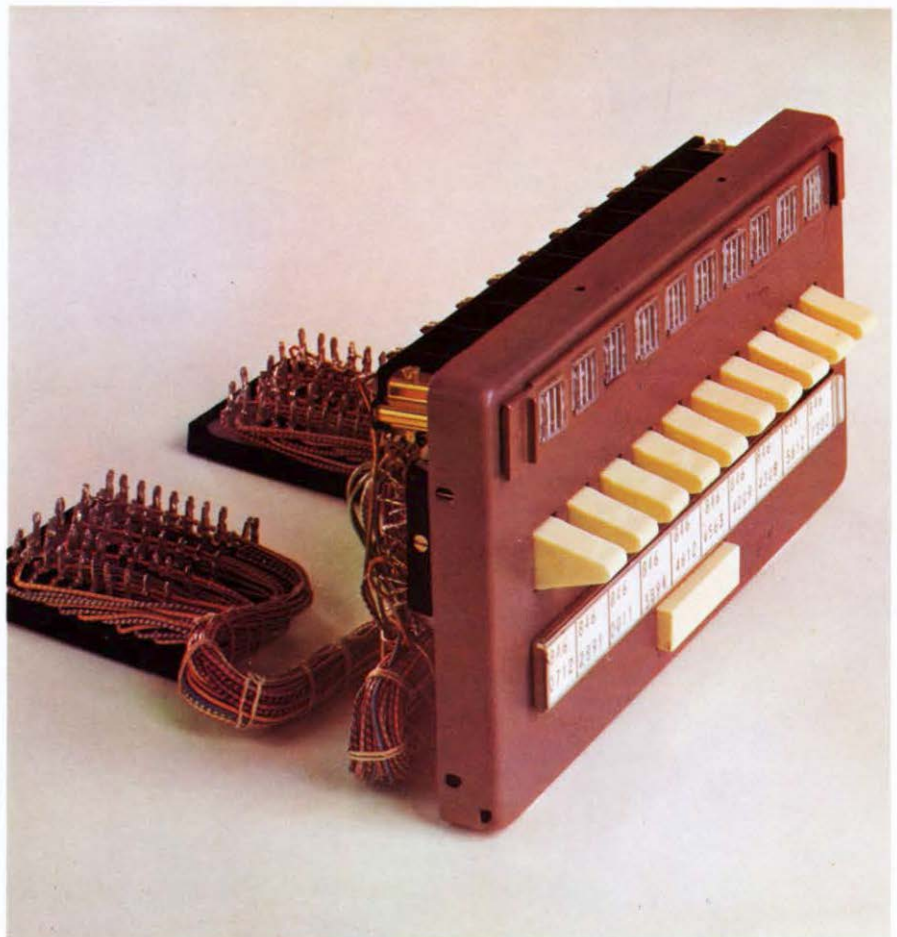
Description

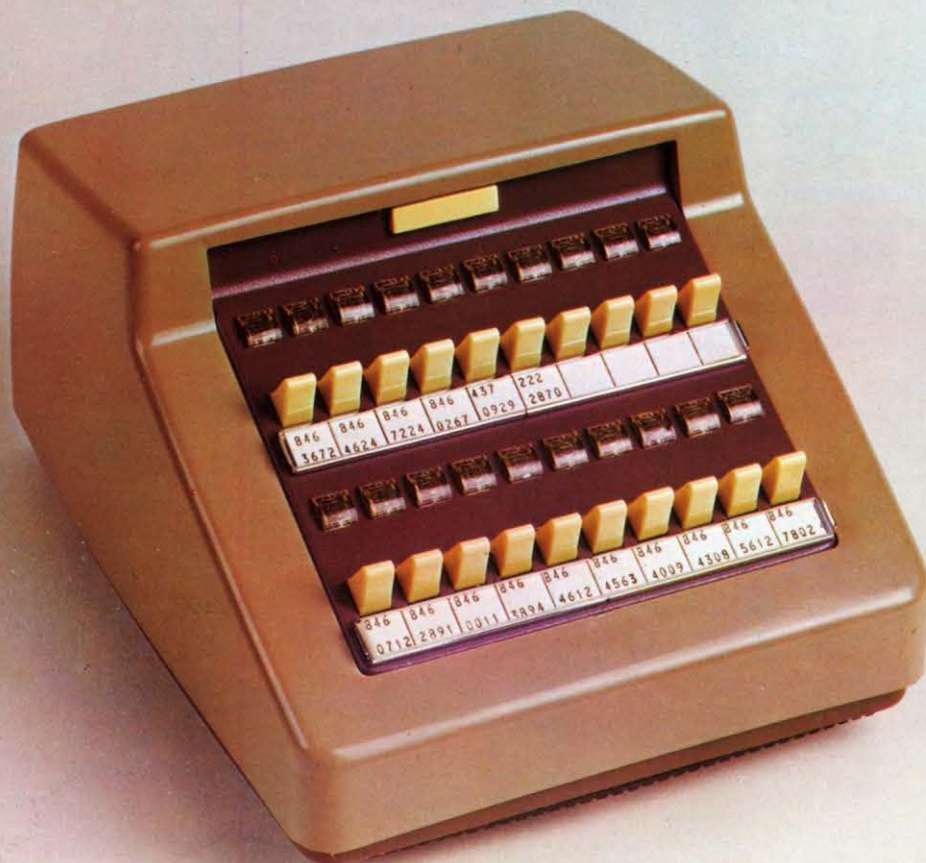
Two sizes of key and lamp unit can be provided. Up to ten circuits can be connected to the smaller unit and up to twenty to the larger.

The units can be linked. To cater for a larger number of circuits, two or more key and lamp units can be provided.

Each person in a group may have one or more key and lamp unit.

For installations not exceeding twenty circuits the circuits are normally connected to all units, but can be arranged to be distributed among the units to meet particular needs.





Facilities

A large volume of calls can be handled simultaneously with minimum delay.

Staff can readily be deployed to meet peak periods of activity, by bringing into use more of the key and lamp unit positions.

In general offices, each member of the staff can have access to every circuit, and so answer calls without having to move from one desk to another.

Several different types of telephone instrument can be used with the key and lamp units. These are the tablephone, a telephone handset and if both hands are required to be free, a headset. With the two last mentioned, the instrument is connected by a plug and socket; when a telephone dial is required it can either be mounted in a small drawer beneath the desk top, or fitted directly to the console.

Stand-by power arrangements can be provided for an additional charge, to guard against interruption of signal lamps and alarms due to mains



How the units are operated

An incoming call on any circuit flashes a signal lamp on every unit to which the line is connected, and operates a buzzer or bell alarm.

Provided incoming calls are not kept waiting too long, the alarm can be switched off to reduce the noise level.

The call can be answered by any member of the group moving the appropriate key, (which has three positions), down to 'speak'. This stops the alarm, and changes the flashing light to a steady glow on all units.

The call can be held by moving the key up to the middle position while an enquiry is made or another operator takes over the call. The caller cannot hear the enquiry and the signal lamps continue to glow steadily.

When the call ends the key is switched up to the 'receive' position, and all signal lamps for that circuit go out.

An outgoing call can be made on an exchange line by pressing down the key of a disengaged circuit to the 'speak' position and dialling the number. The signal lamps on all units to which the line is connected will glow steadily while the call is in progress.

Outgoing calls on certain private circuits or switchboard extensions are signalled by pressing a non-locking bar switch. This switch is also used for operator recall and transfer facilities when the circuits are connected to a switchboard.

Other uses of key and lamp units

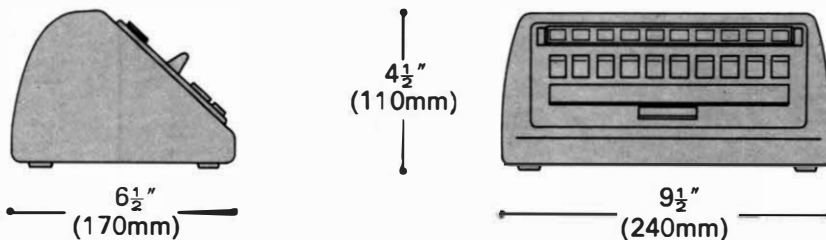
Extensions from telephones in other offices can be terminated on a key and lamp unit so that they may be readily answered when the normal users are absent.

Broadcasting facilities can be provided where it is necessary to send the same information simultaneously to several places. When used in this way the units are particularly suitable for racing information services, news agencies and similar organisations.

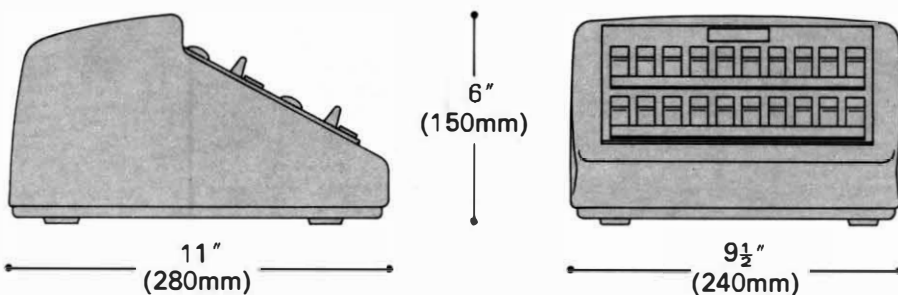
Other arrangements of key and lamp units are possible, designed to meet the particular needs of the customer.

Dimensions

10-way key and lamp unit



20-way key and lamp unit



General information

The dimensions of the two types of unit are given below. The 10-way unit weighs 5lb (2kg) and the 20-way unit 8lb (3.6kg). If the equipment is mounted in a customer's console, an opening 7 1/2" by 3 7/8" (190mm by 98mm) is required, with a space of at least 2 1/2" (67mm) behind it inside the console.

Each installation requires a power unit which measures 14" by 12" by 7 1/4" (355mm by 305mm by 190mm) and weighs 40lb (18.1kg). Power is drawn from the mains from a 3-pin socket outlet, of at least 5-amp rating, provided by the customer.

An auxiliary apparatus unit measuring 19" by 5 1/4" by 5 1/4" (480mm by 135mm by 135mm) weighing 18lb (8.1kg) is required for the first five circuits, regardless of the number of circuits provided. Alternatively, a separate lamp flashing unit measuring 19" by 3 1/2" by 5 1/4" (480mm by 100mm by 135mm) weighing 13lb (5.8kg) can be provided together with one of the extra units mentioned below.

Another unit is required for each five (or part of five) additional circuits provided. These extra units each measure 19" by 3 1/2" by 5 1/4" (480mm by 100mm by 135mm) and weigh 13lb (5.8kg).

The dimensions and weights quoted are approximate.

The power unit in a dark grey case and auxiliary units in light grey cases are mounted on a floor-standing rack which is fastened to a wall. The size of the rack depends on the number of circuits provided, and it can be installed in a suitable position adjacent to the key and lamp units, but need not necessarily be in the same room.

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.

Value Added Tax

From 1st April 1973 value added tax will be payable for telecommunications services and will be added to the total of charges on customers' bills. Rental and connexion charges are quoted in DLE 1 the preface sheet for Section E 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.