

# Telephone Broadcast Suites

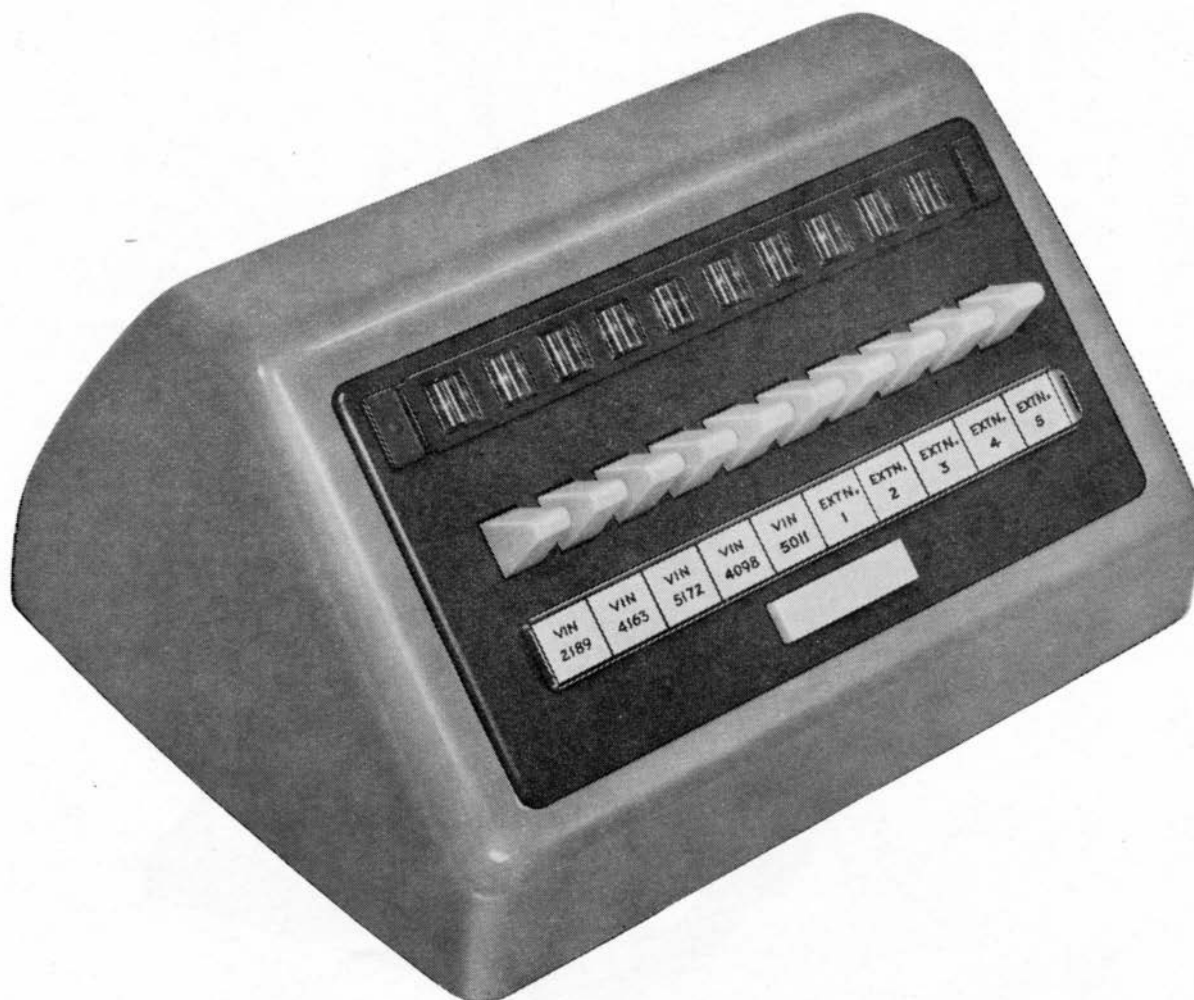


DESCRIPTIVE  
DLE 581

TELEPHONE  
APPARATUS

Attractively designed key and lamp units are available for installations where it is necessary to send the same information simultaneously to several places. The units are particularly suitable for racing information services, news agencies and similar organisations. The equipment for each unit is mounted on a

dark-grey panel which can be provided either in a light-grey plastic case, or fitted into a desk or console that the customer may wish to provide to suit his own particular requirements. The local Telephone Manager will be glad to advise on console design and layout and should be consulted before detailed plans are made.



## FACILITIES

Each unit has a row of signal lamps, a row of three-position switches, and an identification strip, which provide for up to ten circuits. Several units can be coupled by means of a switching arrangement to form a group.

One circuit on a unit, or a group, is used for the operator's instrument. The remaining circuits on a unit, or each unit of a group, can be all exchange lines, all extensions, a combination of the two, or all private circuits.

Outgoing calls can be made on exchange lines by switching the key up to the 'call and speak' position and dialling the number required.

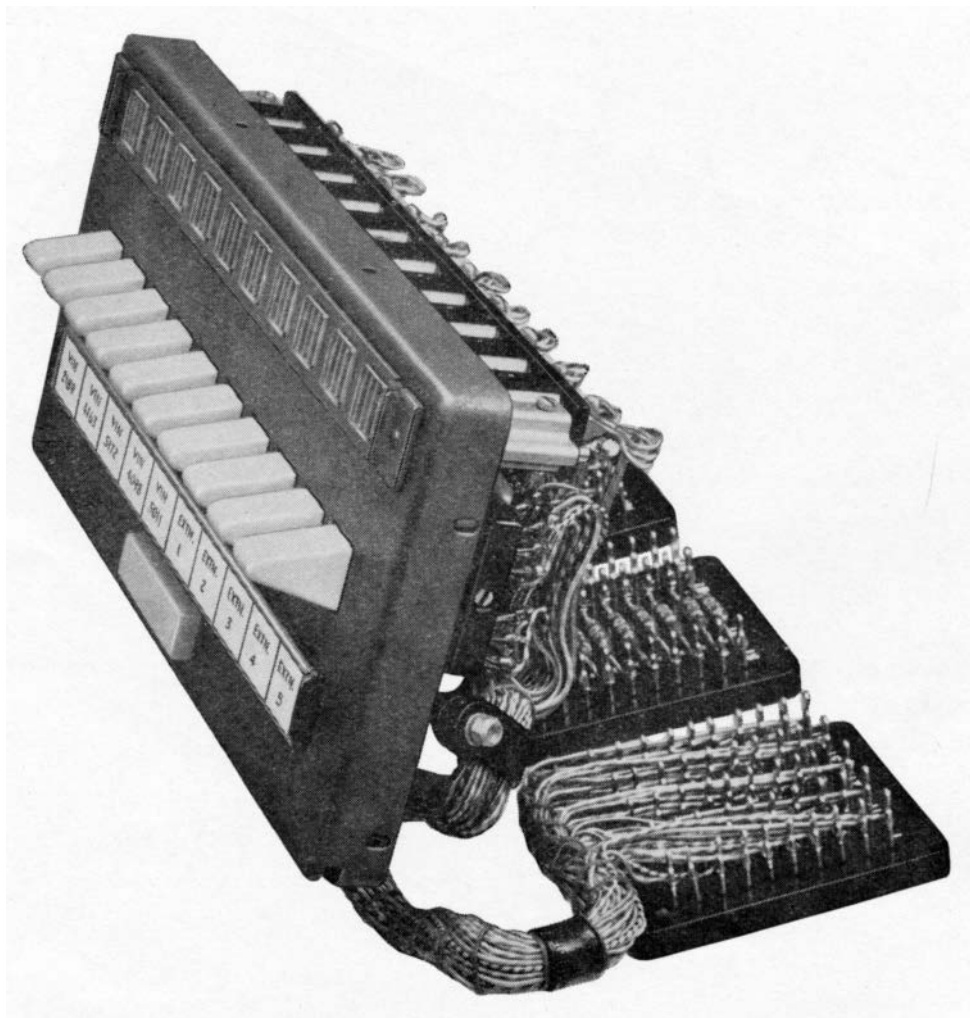
On exchange lines connected to some manual telephone exchanges, or on certain private circuits or external extensions, outgoing calls

are signalled by pressing a non-locking bar-switch beneath the identification strip on the unit, after selecting the circuit. The bar-switch is also used for operator recall and transfer facilities when the circuits are connected to a PBX.

A broadcast call is arranged by calling on the required circuits and then moving the circuit keys down to the broadcast position.

An internal extension receiving a broadcast call can recall the operator to make an enquiry by pressing a button on the telephone. This causes the signal lamp to light. The operator can switch out of the broadcast circuit to answer the enquiry, or to take an incoming call, and then return to complete the broadcast.

An incoming call on any circuit lights a signal lamp and operates an audible alarm which is common to all circuits. A switch is



provided for the audible alarm so that it can be cut off, at will. The call is answered by moving the relative key up to a 'speak' position. The audible alarm then stops and the signal light goes out.

The call can be included in a broadcast by moving the key to the down position.

When the call ends, or the broadcast is finished, the key is returned to the normal middle position.

The operating instrument can be either a lightweight headset or the handset of a modern telephone, connected by plug and socket to a small unit. The telephone dial, when required, is provided in a small drawer which can be attached to the desk, or fitted directly to the subscriber's console. Alternatively, a modern telephone can be used.

A mains unit provides power for signal lamps and the alarm bell.

To guard against interruption from mains failure, stand-by power facilities can be provided for an additional charge.

## GENERAL INFORMATION

The key and lamp unit is in a case which is  $9\frac{1}{2}$ " wide,  $4\frac{1}{2}$ " high, and  $6\frac{1}{2}$ " deep; it weighs approximately 5 lb. If the unit is mounted in a subscriber's console an opening approximately  $7\frac{5}{8}$ " by  $3\frac{3}{4}$ " is necessary, and a space of at least  $2\frac{1}{2}$ " should be allowed inside the console, immediately behind the opening, to accommodate the equipment and cabling.

The unit to which a telephone handset or a lightweight headset is connected is housed in a grey plastic box,  $6\frac{1}{4}$ " by  $3\frac{1}{2}$ " by  $1\frac{7}{8}$ ", which is fitted in a convenient position on the subscriber's desk or console.

Power is drawn from the mains from a 3-pin socket outlet, of at least 5-amp rating, provided by the customer. The power unit measures  $12$ " by  $10\frac{1}{4}$ " by  $7\frac{1}{4}$ ", and weighs 18 lb.

An auxiliary apparatus unit is required for

each group of five circuits and additional circuits up to five. Each unit measures  $19$ " by  $3\frac{1}{2}$ " by  $5\frac{1}{4}$ ", and weighs 13 lb.

Most installations require a mains-operated amplifier unit which measures  $13\frac{1}{2}$ " by  $12$ " by  $9$ ", and weighs 45 lb. Larger installations may require an additional amplifier. Each amplifier will require a separate socket outlet.

A ringing converter may be required when generator signalling is used on outgoing calls. This equipment measures  $12$ " by  $9$ " by  $6\frac{1}{2}$ ", and weighs 23 lb.

The auxiliary apparatus units, amplifiers, and ringing converter if required, together with the power unit, are mounted on a rack which is fastened to a wall. The power unit is in a dark-grey case, while the other units are finished in light-grey.

**Rental and connexion charges  
are quoted in the preface sheet**

THE TELEPHONE MANAGER  
WILL GLADLY SUPPLY  
ANY FURTHER INFORMATION