Basic Telex Installation with Teleprinter 15

On the United Kingdom telex service, calls can be made between teleprinter installations at any time of the day or night. The installations communicate in print.

Calls can also be made to the majority of other telex installations all over the world.

The Teleprinter 15 has many special features, but it is simple to use as the keyboard layout is similar to that of an electric typewriter.

the teleprinter keyboard

The keyboard has four banks of keys and is almost identical to that of a typewriter, except that the machine prints only in capitals, and certain keys have special functions.

LETTERS After this bar has been pressed, the machine prints the capitals shown on the letter-keys as they are pressed. The figure and symbol keys are locked to avoid misoperation.

FIGURES After this bar has been pressed, the machine prints the figures and symbols shown on the remaining keys as they are pressed, and allows BELL and WHO ARE YOU to be used. The letter-keys are locked to avoid misoperation.

BELL When the machine is on FIGURES and this key is pressed, an alarm sounds at each installation.

WHO ARE YOU When the machine is on FIGURES and this key is pressed, the 'answer-back' code which identifies the other installation, is printed by both teleprinters.

CAR RET When pressed, the key either side of the keyboard returns the type basket to the start of a line.

LINE FEED When pressed, the key either side of the keyboard moves the paper upwards ready for the next line of type.

SPACE BAR The type basket moves along one space each time the bar between FIGURES and LETTERS is pressed.

The organ-type keys above the keyboard

MAN CAR RET This key is pressed to return the type basket to the start of a line when the machine is switched off. This must be done before re-loading paper, changing the ribbon, or cleaning the type face.

HERE IS When this key is pressed, the machine sends its own 'answer-back' code which is printed by both teleprinters.

RUN OUT When this key is held down, the last character that was typed on the machine is printed continuously.

the dialling unit

Four control buttons and two signalling lamps are mounted on the dialling unit.

DIAL This button is pressed to start the teleprinter, and engage the line and the equipment in the telex exchange. The green lamp glows to show when dialling can begin and remains alight as long as the installation is in use.

CLEAR This button is pressed at the end of a call to switch off both teleprinters and release the line and exchange equipment.

LOCAL This button is pressed to start the teleprinter so that it can be used for practice or message copying. The green lamp glows while the machine is being used.

RESET This button is used to switch off the teleprinter after local use. It is also used to cut off the alarm signal and red lamp when a distant teleprinter operator has called for attention.

how it operates

Each installation has a telex number and an 'answer-back' code to identify it.

Calls are made simply by pressing the DIAL button and dialling the required number.

When the distant installation gets the call, the teleprinter starts and returns its 'answer-back' code to confirm that it is ready to receive a message.

The caller presses the HERE IS key to let the distant installation know who is calling, then types the message and the distant installation can type back.

During a call, either operator can attract the other's attention with the BELL key, which sounds an alarm and lights a red lamp at both installations. These signals stop when the RESET button is pressed.

At the end of a call it is usual to confirm the connexion with an exchange of 'answer-back' codes. The caller simply presses in turn the HERE IS and WHO ARE YOU keys.

The call is ended when the CLEAR button is pressed at either installation.

facilities

All operations of the teleprinter are power-assisted, and a good typist can easily achieve 35 to 40 words a minute. The machine can be used at nearly 70 words (400 characters) a minute.

Identical messages appear on both teleprinters of everything that is typed during the call.

The teleprinter can print in two colours if a suitable ribbon is used; for example, the outgoing portion of the message can appear in red type while the incoming portion is typed in black.

Single-ply paper, or multi-ply with up to five under-copies, can be used in the teleprinter.

The paper is 8½" (216mm) wide and up to 69 characters or spaces form each line. A warning lamp above the keyboard glows when 55 characters or spaces have been typed on a line.

The caller can set the line feed of his own machine for single, intermediate, or double spacing.

A buzzer can be switched on, when required, to signal incoming calls. An extension alarm to a nearby room can also be provided.

Messages can be received by the installation even when the office is closed, provided that the power supply is left on, and there is sufficient paper in the machine. An incoming call automatically starts the teleprinter, and it is switched off when the distant operator presses the CLEAR button.

Incoming calls are still received if the teleprinter is being used in LOCAL for practice or message copying. The alarm and red light warn that the installation should be restored to normal use. After a short interval the installation is automatically restored to normal so that the call can be received.

general information

The teleprinter has a sound-reducing cover with a window through which the message can be read. The cover is hinged so that the paper can be replaced or the ink ribbon changed without difficulty.

A transparent lectern to hold the messages is fixed to the front of the cover. Two message trays are supported above the dialling unit, and the table contains a drawer for filing or storage purposes.

The dialling unit houses power and auxiliary apparatus, and the installation works from a 3-pin switched socket outlet, of at least 5-amp rating, provided by the customer.
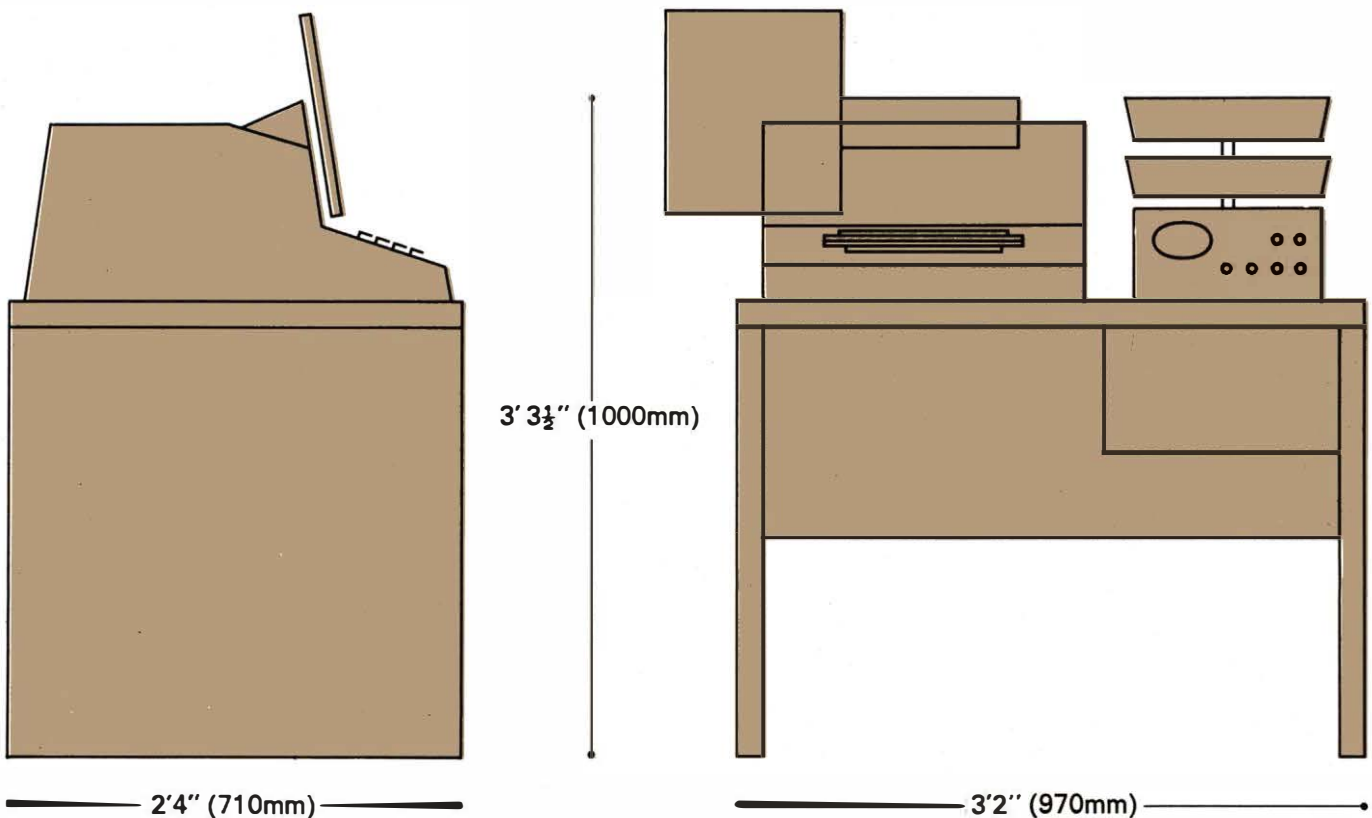
Allowing adequate room for the operator's chair and for maintenance purposes the installation requires a floor space of not more than 5' by 4' (1520mm by 1220mm).

The total weight of the installation is 252 lb (114 kg).

Telex service with Teleprinter 15 having automatic transmission of message facilities is described in leaflet DLG 703. Console-mounted Teleprinter 15 installations are also available, and these are described in DLG 704.

dimensions

3' 3½" (1000mm)

2'4" (710mm)

3'2" (970mm)

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 DLG1 the preface sheet for section G descriptive leaflets.

Your Telephone Sales Office will gladly supply any further information

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