

Telex Installation with Automatic Transmitter

DLG 701

January 1969

Telex Service



This installation consists of a teleprinter with reperforating attachment, dialling unit and automatic transmitter, mounted on a table which houses the power unit. The equipment provides all the facilities offered by the standard telex installation, with the great advantage that messages previously prepared on paper tape can be sent automatically at a constant speed of about 70 words (400 characters or spaces) a minute. This is most useful when sending complicated accounting details, stock figures and statistical information, or when the same message needs to be sent to several destinations. Automatic transmitting equipment enables messages to be sent more efficiently and economically.

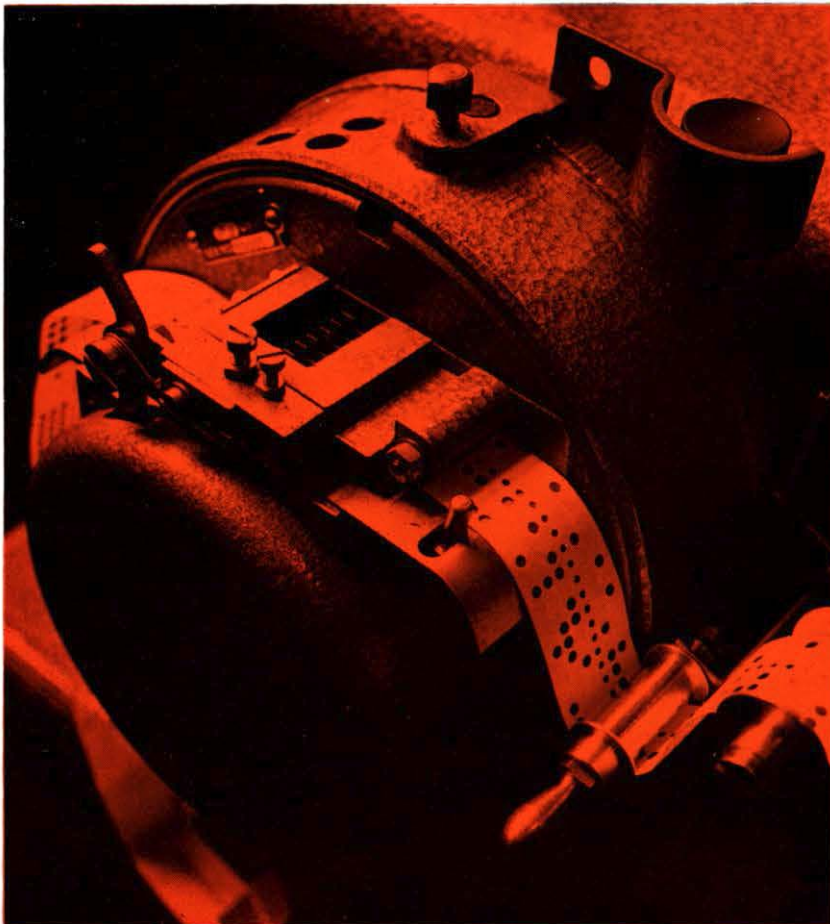


General Method of Operation

Messages for automatic transmission are punched on paper tape in code form by the reperforating attachment while the operator types on the teleprinter to produce a page copy.

The perforated paper tape is then fed into the automatic transmitter, shown below, and a telex call is set up in the usual way. When connexion has been established, the transmitter is switched onto the line and the message is sent automatically at the maximum speed of the teleprinter.

Incoming messages on this type of machine can be reproduced as printed page copy only, or as page copy and perforated tape at the same time, as required.



The installation can be used in the normal manner to send messages manually, when required.

The Reperforating Teleprinter Keyboard

The keyboard is the same as that of the standard teleprinter but there are three additional separate keys.

WHO ARE YOU

(moved from the D key, but it is still necessary to press FIGS key first)

When this key is pressed, the 'answer-back' code of the other installation is printed on both teleprinters.

HERE IS

When this key is pressed, the teleprinter sends its own 'answer-back' code which is printed on both machines.

RUN-OUT

When this key is held down the last character typed is printed and punched continuously. This feeds the message on paper tape clear of the reperforator so that it can be torn off, and readily identifies the end of the message with a block of repeated perforations.

Reperforator Attachment Controls

Throw-out lever

When this lever is moved to the right the reperforator attachment is engaged so that paper tape is produced at the same time as the printed page copy. Moving it to the left disengages the attachment.

Back space key

Each depression of this key moves the tape in the reperforator attachment back one character to allow errors made during tape preparation to be corrected.

Facilities

In addition to all the facilities provided by the standard installation, messages can be transmitted at the maximum speed of about 70 words a minute instead of the average typing speed of 35 to 40 words a minute. Transmission time is shortened and the call charge is considerably reduced.

Messages are prepared on paper tape on the teleprinter before making a call. A printed page copy, produced at the same time, can be checked continuously for accuracy against the original text.

Errors on the tape can be corrected as soon as they are noticed on the page copy.

A taped message can be 'played-back' on the machine before sending to ensure that it is correct.

During the call, when the message is sent by running the tape through the transmitter, the printed page copy produced can be checked to ensure that the message is being transmitted correctly.

A message on paper tape can be used many times to transmit to several different destinations, or to produce additional page copies for local use, or make copies of the message on tape, if required. A heavier duty parchmentised tape is available for more excessive use.

A perforated paper tape can be produced at the same time as the printed page copy on an incoming call, if required. This is useful when the message needs to be relayed to another office.

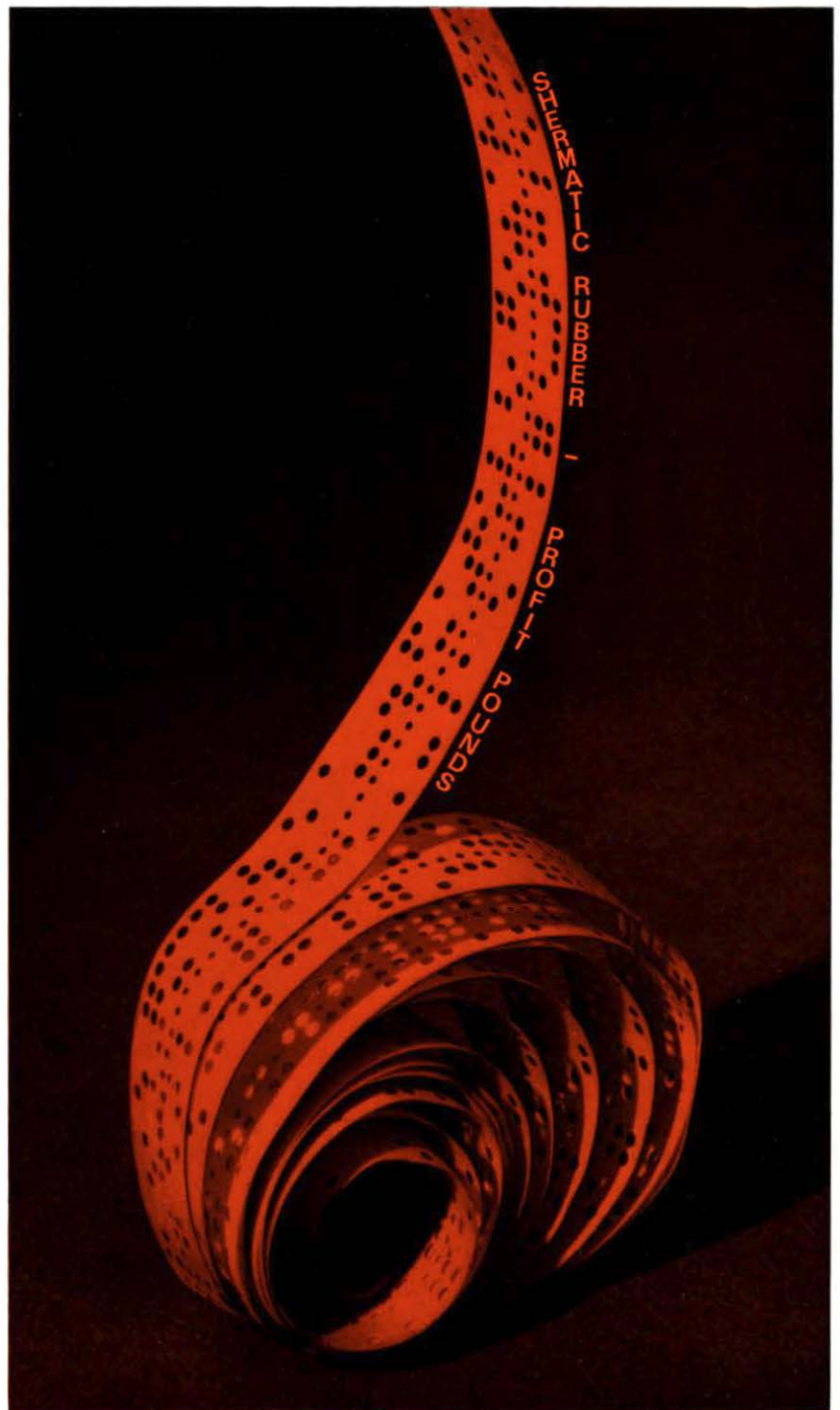
If an incoming call is received during preparation of tapes an alarm bell and a red light on the dialling unit warn that the installation should be switched to normal use.

An automatic transmission can be interrupted by the distant installation. If a key is pressed on that machine, the alarm bell and red light warn that the transmitter should be switched off to find out the reason for the interruption. Similarly, if a call is cut off, or the tape gets caught up, the alarm signals are given and the transmitter stops.

Alarm signals are also given and the transmitter stops as soon as the tape has passed through it.

If necessary, the connexion can be verified by using the WHO ARE YOU key, at any time during a call except when transmitting automatically.

The HERE IS key can be used to identify the calling installation at any



time during a call except when transmitting automatically, or when making a tape.

A character can be printed and punched continuously by holding down the RUN-OUT key. This enables the beginning and end of a tape to be identified with blocks of repeated perforations, and steps the message clear of the attachment for tearing off without mutilation.

General Information

The teleprinter has a sound-reducing cover incorporating a window through which the message can be read. The back of the cover is hinged so that the paper can be replaced without removing the entire cover. The cover also has a cut away front left-hand corner to give access to the reperforating attachment. Paper tape is housed in a metal holder on the outside of the teleprinter cover so that tape rolls can be easily changed. A transparent lectern, to which messages can be clipped, is fixed to the front of the cover. The table contains two drawers for filing and storage purposes.

The transmitter, dialling unit and table house the power and auxiliary apparatus, and the installation works from AC or DC mains supplied from a 3-pin socket outlet, of at least 5-amp rating, provided by the customer.

The overall dimensions of the teleprinter including the lectern are approximately 2' 5" by 2' 3" by 1' 6" high. The dialling unit is 1' 9" by 11", and 7" high, and the transmitter 1' 4" by 8", and 8" high. The teleprinter, dialling unit, and transmitter are hammer-finish grey and the table measures approximately 4' 3" by 2' 3", and is 2' 3" high. Allowing adequate room for the operator's chair and for maintenance purposes the whole installation requires a floor space of not more than 5' by 5'. The total weight is 280lb.



Connexion charge	Quarterly rental

Please see preface sheet DLG 1

**THE TELEPHONE MANAGER'S
OFFICE (SALES DIVISION)
WILL GLADLY SUPPLY ANY
FURTHER INFORMATION**