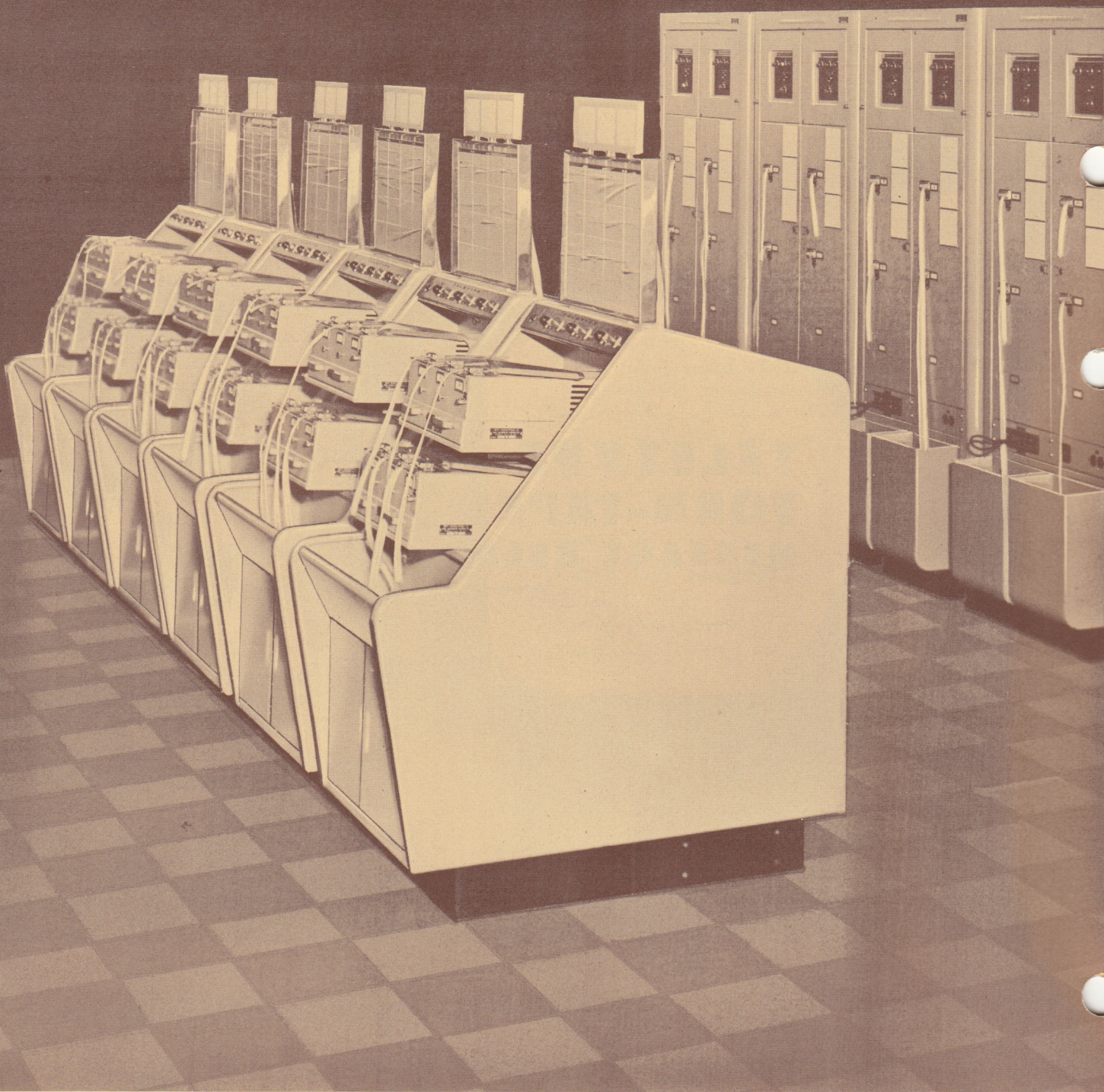


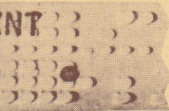
**TELETYPE
TORN-TAPE
MESSAGE RELAY EQUIPMENT**

WITH AUTOMATIC MESSAGE NUMBERING



WITH TELETYPE TORN-TAPE RELAYING EQUIPMENT the receiving attendant tears off the tape containing the incoming message and inserts it in the tape board, placing it in a slot appropriate to its destination and priority.

The transmitting attendant pulls it through the slot, and notes its destination. If circuit and priority conditions permit, it is inserted in the tape gate of the appropriate transmitter and sent immediately.





TELETYPE TORN-TAPE MESSAGE RELAYING EQUIPMENT

is designed to simplify, concentrate, and speed relaying operations. It offers many advantages for message traffic centers and relaying points of all sizes.

EASE OF OPERATION—Tape is printed, so messages can be read clearly. Attendants may be unskilled personnel.

EASE OF MAINTENANCE—Equipment can be kept in tiptop shape by regular printing telegraph maintenance personnel.

COMPACTNESS—The receiving cabinet requires only $5\frac{1}{2}$ sq. ft. of floor space, the transmitting cabinet $7\frac{1}{2}$ sq. ft.

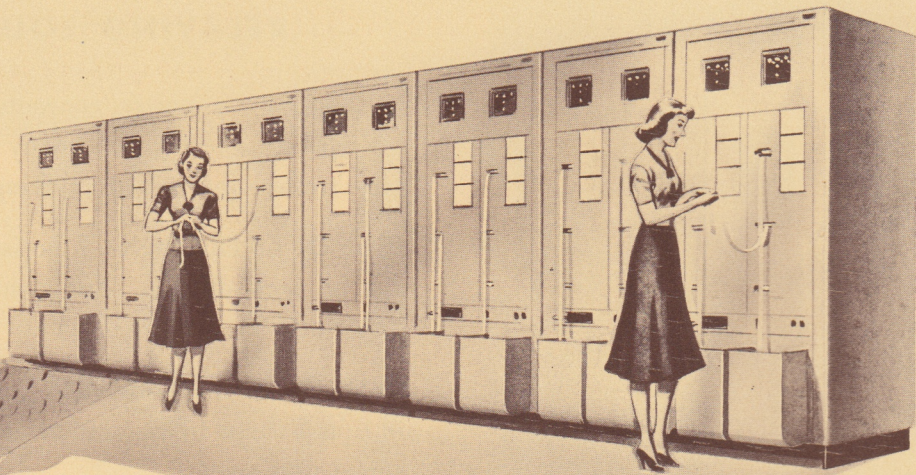
FLEXIBILITY—Priority traffic, multiple address traffic, etc., are a matter of internal operating procedures, to be set up as required, changed when conditions warrant. Channels can be switched around. A station's message handling capacity can easily be increased or cut down, as traffic dictates. Cabinets can be moved—to another room, another city.

ADAPTABILITY—Can be used under a broad variety of conditions . . . in large message traffic centers . . . at small relaying points.

Equipment components can be varied to meet individual needs. For example, monitoring equipment—a “must” in certain types of operations—may not be required in others.

Similarly, where traffic load is light and automatic message numbering and flip-flop transmission are not required, the transmitter and receiver cabinets could be fitted out to provide for six incoming and six outgoing lines. Here the user would obtain six lines in but 13 sq. ft. of floor space, and with a minimum investment in equipment.

TORN TAPE MESSAGE RELAY EQUIPMENT <=BER TELETYPE TORN TAPE MES
113



RECEIVERS

For some years Teletype Torn-Tape Message Relaying Equipment has been providing a simple, compact, easily operated solution to message relaying problems.

Now we present an innovation in Torn-Tape relaying—equipment so packaged that it is complete in itself. Everything required for operation is in the cabinets, down to the direct current power supply. To install, it is necessary merely to connect signal lines and 115 volt 50 or 60 cycle A.C. power.

There is nothing to add, there are no wiring problems. Even patch-board facilities are available.

A station can be set up . . . enlarged . . . moved . . . all without disturbing the remaining operations of the message center during the transition.

Each set accommodates three incoming and three outgoing lines.

TELETYPE-TORN
TAPE MESSAGE RELAY EQUIPMENT
<=BER
112
TELETYPE-TORN

NEW TELETYPE TORN-TAPE RELAY EQUIPMENT PROVIDES NUMEROUS FACILITIES AND CONVENIENCES

CABINETS are a good working height, making for minimum operator fatigue.

Transmitter cabinet includes tape-holding board. Generous capacity provided for trailing ends of tape in board, also for tape inserted in tape gates.

Receiver cabinet fitted out with spare reperforator. Also has positions for mounting two additional reperforators, which may be desired for tape reproduction or to accommodate additional incoming circuits. Sliding shelves in this cabinet can be arranged for either front or rear accessibility of apparatus, as desired.

Indicators for Open Line, Busy Channel, Tape Out.

FLIP-FLOP TRANSMISSION conserves line time, operator time. Transmitter cabinet is equipped with six message transmitters, two in tandem on each line. Tape gates are loaded alternately, yielding substantial saving in line time. Also, with this method operator can load when convenient, instead of having to wait for precise moment when transmission of previous message is completed. Numbering transmitters cut in automatically.

PATCHBOARD mounting provided in each transmitting and each receiving cabinet.

Patchboard itself is optional. Capacity of board sufficient for lines of six sets, so one cabinet in a group up to six may be designated as a "key"

cabinet and equipped with a patchboard, if this facility is desired.

AUTOMATIC TAPE FEED-OUT provided with receiving equipment. At the end of a group of messages it spaces out a measured length of tape which can be torn off conveniently. Should transmission resume during this operation, tape feeding stops and the next message is received *without error*.

QUICK HANDLING OF LONG MESSAGES. Facilities provided in receiver cabinet for plugging in a portable transmitter-distributor. Relaying of a long message can begin immediately, instead of having to be delayed until entire message is received.

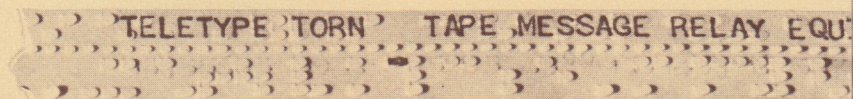
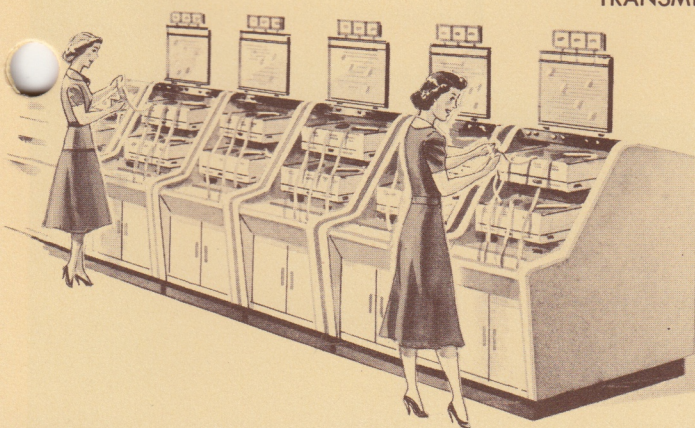
MESSAGE AND NUMBERING TAPE TRANSMITTER-DISTRIBUTORS arranged so one can be removed without disturbing its two companion units. If replacement of one unit should be necessary, transmission and numbering on the other two are not affected.

MONITORING SYSTEM. Monitor cabinet equipped with three typing reperforators, three time stamps, and three motor-driven tape winders. Messages transmitted on a line are reproduced by the associated monitoring reperforator on a continuous tape, wound on a reel, and time stamped every sixty seconds.

Provides a record in storable form of all messages transmitted by the station. If retransmission of a message is required, a portable transmitter-distributor is wheeled to the cabinet and the message is easily located and retransmitted.

Monitoring equipment is optional.

TRANSMITTERS



Receiver Cabinet

EQUIPMENT:

4 Typing Reperforators
4 Relay Groups
Rectifier
Control Panel
Patchboard Mounting
Patchboard (optional)
Interconnecting Cable

FEATURES:

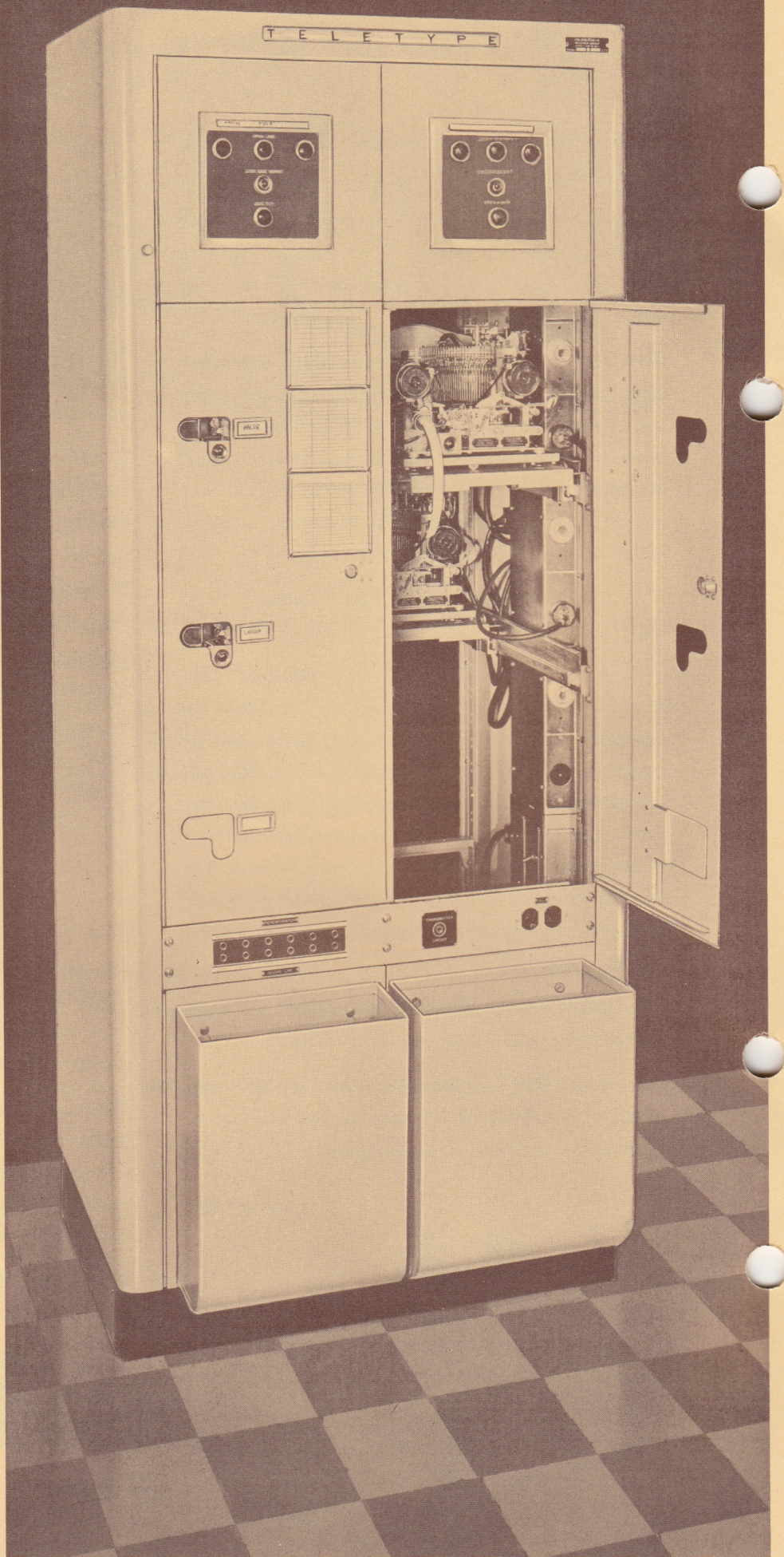
Automatic tape feed-out and measuring mechanism.
Manual tape feed-out (optional).
Indicators for Open Line, Tape Out.
Jack panel on front and rear of cabinet for putting spare reperforator into operation.
Long message jack and convenience outlet on front of cabinet.
Tape bins on front of cabinet to keep tape off floor.
Sliding shelves may be arranged for either front or rear accessibility of apparatus.
Typing Reperforators on turntables for ease of maintenance.

DIMENSIONS:

Width 33"
Depth 24" (plus 6" for tape bins)
Height 77½"

Weight, fully equipped:

750 Lbs.
Domestic packed 1075 Lbs.
Export packed 1190 Lbs.



Transmitter Cabinet

EQUIPMENT:

- 2 Three-Gang Message Transmitter-Distributors
- 1 Three-Gang Numbering Transmitter-Distributor
- 3 Relay Groups
- Rectifier
- Control Panel
- Tape Board, Grids
- Patchboard Mounting
- Patchboard (optional)
- Interconnecting Cable

FEATURES:

- Indicators for Open Line, Busy Channel.
- Number delete switch.
- Two message transmitters in tandem on each line, arranged for automatic alternate transmission.
- Numbering transmitters cut in automatically, supply reels and take-up reels have capacity of 250 ft. of chadless tape.

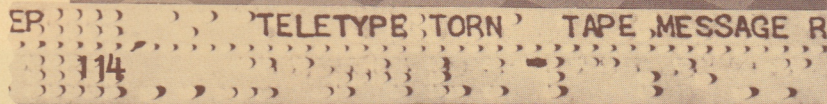
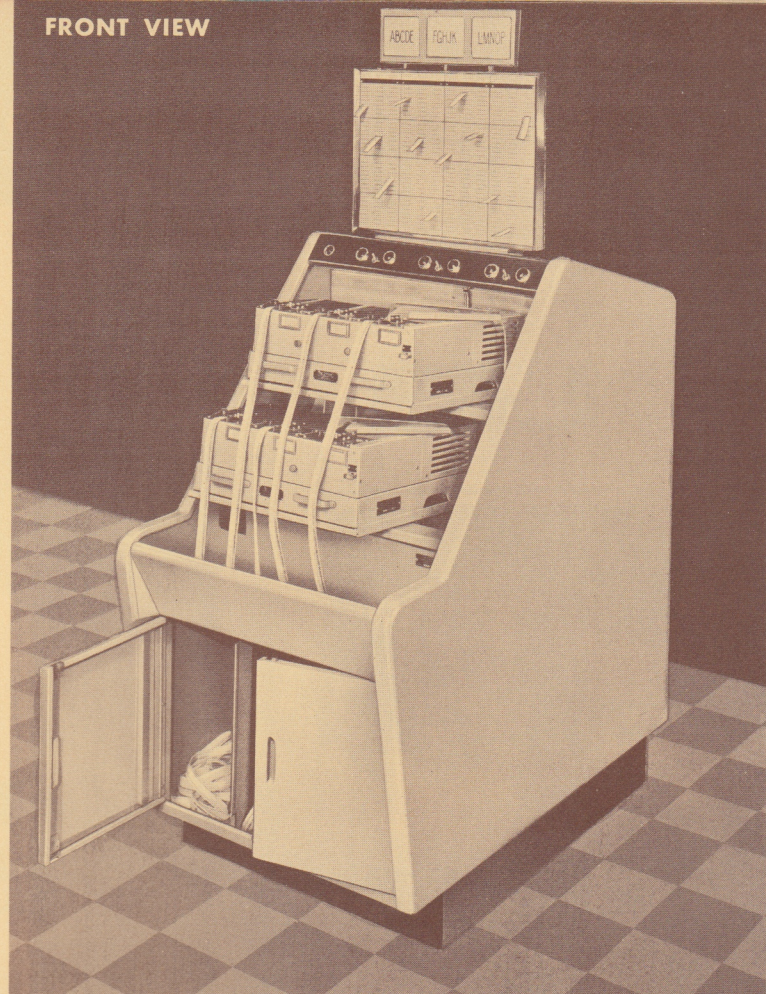
DIMENSIONS:

- Width 27"
- Depth 43"
- Height 48" plus 19½" for Tape Board

Weight, fully equipped:

- 533 Lbs.
- Domestic packed 830 Lbs.
- Export packed 920 Lbs.

FRONT VIEW



REAR VIEW



Monitor Cabinet..

EQUIPMENT:

3 Typing Reperforators
3 Time Stamps
3 Tape Winders
Control Panel
Interconnecting Cable

FEATURES:

Tape time-stamped every sixty seconds while message is being received. Time stamp deactivated during idle signal time.

Tape winder holds one thousand feet of chadless tape (a full roll).

Positive latch mechanism prevents tearing of tape and allows easy rerun of messages.

Tape storage bin in bottom of cabinet.

Indicators for Tape-Out, Open Line.

DIMENSIONS:

Width 27"
Depth 24"
Height 77½"

Weight, fully equipped:

628 Lbs.
Domestic packed 980 Lbs.
Export packed 1090 Lbs.

FINISH: Teletype Torn-Tape Message Relay Equipment is available in a choice of standard finishes.

APPROXIMATE POWER REQUIREMENTS:

A 115 V. A.C. 50 or 60 cycle single phase power supply is required with frequency regulation within $\pm 3/4\%$ for synchronous motors. For unregulated 50 or 60 cycle power supplies, A.C. series governed motors may be

used. (Time stamps not arranged to operate on power supplies of unregulated frequency.)

Wattage—Receiver 450 watts, Transmitter 400 watts, Monitor 400 watts. Power factor correction not included.

Teletype Torn-Tape Message Relay Equipment is compact, flexible, and adaptable. It can be used under a broad variety of conditions—at small relaying points as well as in large message centers. Equipment components can be varied to meet individual needs.

Many features are optional. Our engineers will be glad to cooperate in working out Torn-Tape Relay Equipment to fit your particular requirements.

TELETYPE

CORPORATION • 1400 WRIGHTWOOD AVENUE, CHICAGO 14, ILL.

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