

**New Miniaturized**  
SINGLE-CONTACT

# TAPE READER SET

TYPE LXD TRANSMITTER-DISTRIBUTOR



**TELETYPE**<sup>®</sup>  
CORPORATION

## Featuring

- 40% Reduction in Size & Weight
- Lower Power Requirements
- Sequential Transmission
- Optional Multi-Wire Output
- 100 Word-per-minute Operation

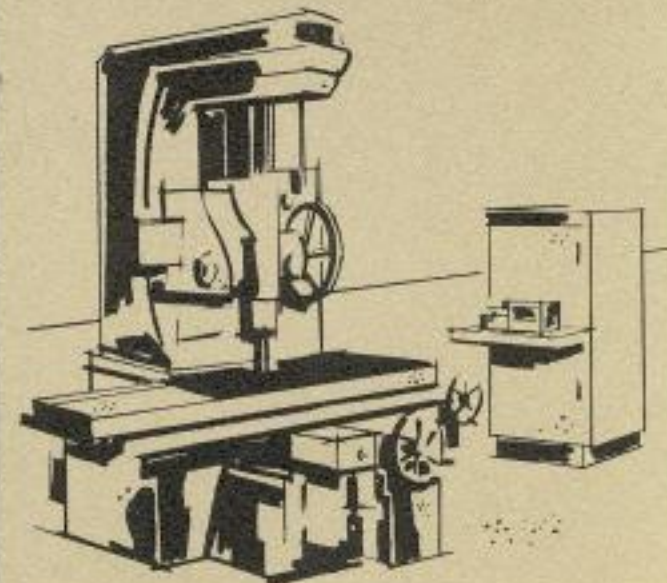


For a variety of tape reading applications in...

COMMUNICATIONS

DATA PROCESSING

AUTOMATION



# Teletype Model 28 Miniaturized LXD Transmitter-Distributor...

**A versatile, 100-word-per-minute, 5 or 6 level TAPE READER SET with standard reader and new smaller motor, base and cover**

For speed, dependability and economy in transmitting messages and other data punched into your business machine tapes—Teletype offers the new MODEL 28 MINIATURIZED LXD TAPE READER SET!

This high capacity unit is specifically engineered to meet your tape transmission requirements with speed and dependability.

Utilizing a standard single-contact, M28 tape reader component—this new smaller size set will automatically convert 5 or 6 level code combinations, in chadless or fully perforated tape, into electrical impulses. These accurately timed signals, in standard Baudot code, are transmitted sequentially (serially) over a single telegraph channel to either local or remote receiving stations.

For use with equipment in data processing and automated control systems requiring multi-wire (simul-

taneous) input, the versatile Model 28 miniaturized LXD can be equipped with code reading contacts. This optional feature provides the signal output needed for such applications. The Model 28 miniaturized LXD can be actuated either locally or from a remote source.

Advanced M28 design-features equip the unit for dependable operation at 100 words per minute (gears for lower speeds are available). An M28 all-metal clutch is used to maintain higher speed performance cycle-after-cycle. This internal expansion type clutch not only adds longer life to the unit, but also minimizes the necessity for lubrication and maintenance.

Thus, whether the need is for cross-office or cross-country application, the new Teletype Model 28 miniaturized LXD tape reader will enable you to utilize more fully your transmission lines and associated facilities.



## Typical applications for MODEL 28 LXD Reads tape and transmits code signals:

- to a teleprinter for preparation of page copy
- to a remote tape reperfector for preparation of tapes
- to a communication switching center for retransmission to other points
- to computers and business machines with sequential or multi-wire input facilities
- to automated factory equipment
- to automatic typesetting and addressing equipment installations

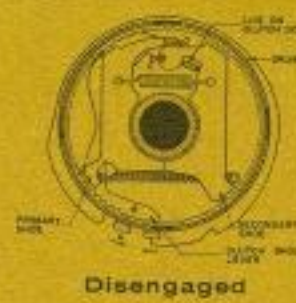
## IMPORTANT TELETYPE FEATURES

- A self-contained tape reader set complete with sensing head, motor, base and cover.
- Reads either chadless or fully perforated tape.
- Models to accommodate 5 or 6 level tapes.
- Single-contact signal generator for sequential (serial) output.
- Optional code reading contacts for multi-wire (simultaneous) output.
- Compatible with existing data communications equipment.
- Speed capability enabling fuller utilization of transmission lines and facilities.
- "Free floating" base to minimize noise or vibration.
- Reliability during extended operation.
- Lubrication maintenance interval of 6 months to a full year.
- Oil-pan type sub-base to catch excess oil.
- Nylon gears for quieter operation.
- Utilizes latest Teletype M28 components.
- Compact in size and light in weight.
- Attractively styled to blend with any office equipment.



### SINGLE-CONTACT SIGNAL GENERATOR

The electro-mechanical signal generator of advanced single-contact design, automatically translates mechanical code combinations into electrical signals for transmission. It is encased in a metal box for added protection against dust and oil, and as a shield against causing radio interference.



Disengaged

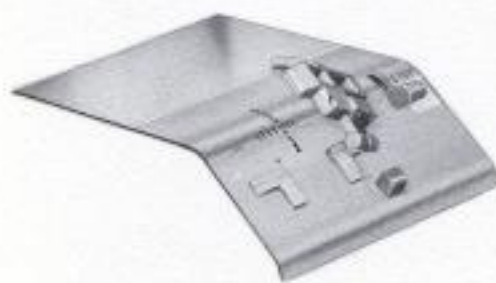
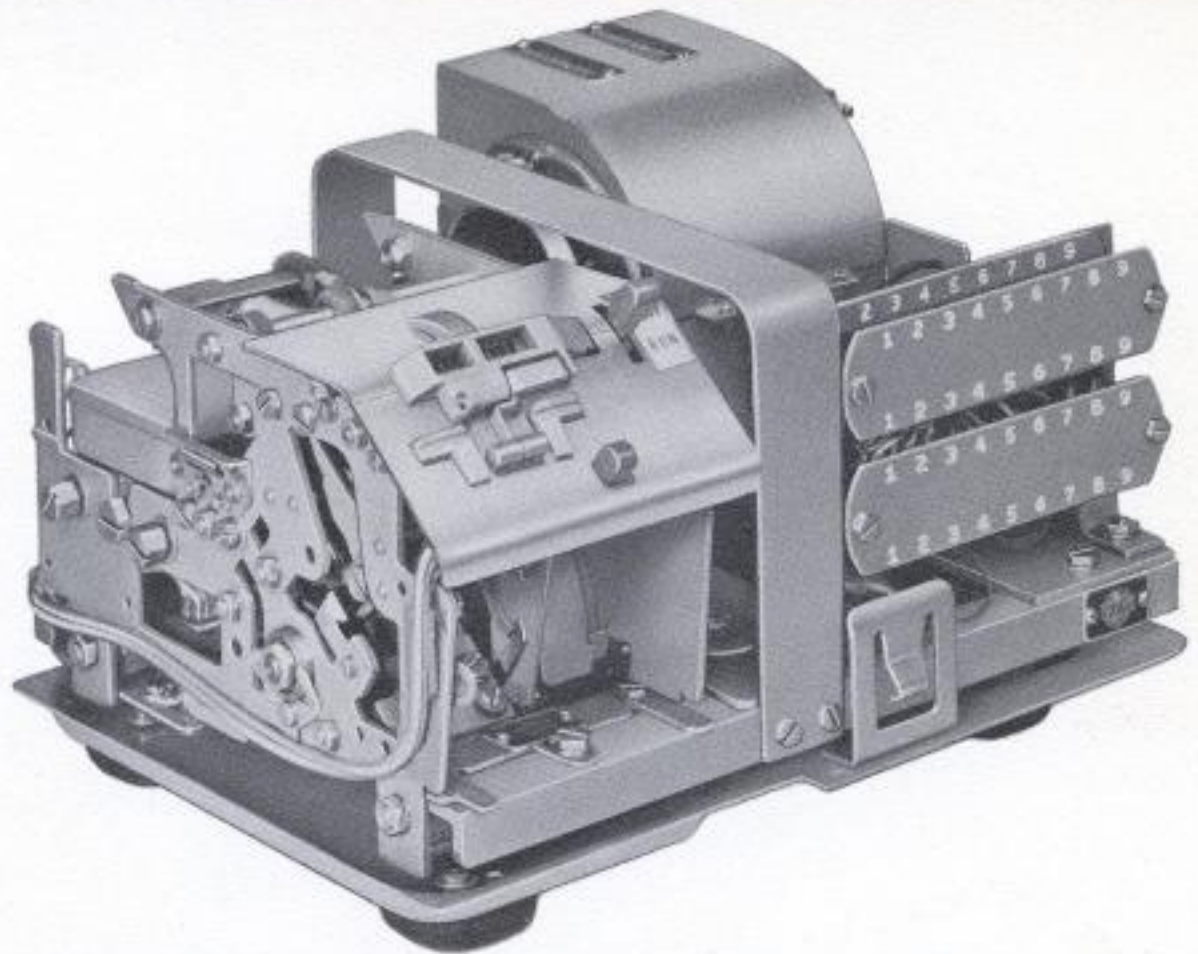


Engaged

### ALL-METAL CLUTCH

An internal expansion type all-metal clutch assures firm engagement cycle-after-cycle and eliminates the wear and constant need for lubrication associated with conventional felt clutches. This special clutch also enables operation with precision accuracy where character-by-character tape feed pulsing is required.

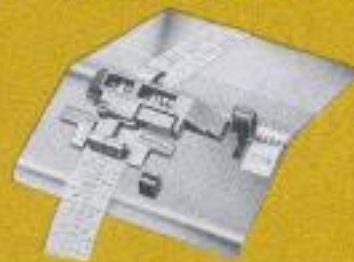
**Incorporates simplicity of design with **NEW** compactness of size**



### AUTOMATIC CONTROLS

A "tape out" switch is provided to stop transmission automatically at end of tape. A "taut tape" switch stops transmission when tape slack is taken up between sender unit and associated apparatus. This feature also keeps tape flat and under proper tension.

### MANUAL CONTROLS



A 3-position, manually operated lever provides "start," "stop" and "free-wheeling" control of tape. "Free-wheeling" enables insertion of tape without lifting the tape lid. However, the tape lid is hinged and may be released for cleaning or special applications such as the insertion of continuous-loop tape. Index lines provide visual aid for accurately positioning the start of message.



### SPACE SAVER MOTOR

This rugged, new synchronous motor of special smaller design is used to meet the power requirements for continuous operation featured in Teletype equipment. Its compact size helps to reduce the overall size and weight of the Model 28 miniaturized LXD set.

### SPECIFICATIONS

**DIMENSIONS:** Height 5 1/4", Width 7 1/2", Depth 9 1/2".

**APPROXIMATE WEIGHTS:** Net—including cover, 15 lbs. Domestic shipping weight—30 lbs. Export shipping weight—65 lbs.

**POWER REQUIREMENTS:** Synchronous motor unit, approx. 50 Watts, 115 Volts, regulated 60 Cy. A.C. Universal clutch magnets (A.C. or D.C.). D.C. Power is required for signal line.

**FINISHES:** Available in attractive gray-green wrinkle or other finishes to blend with modern or traditional office decor.



# MODEL 28

## ... a versatile new line of Data Communications Equipment

These new Teletype Model 28 sets offer a wide range of data handling facilities for page printing, tape punching and tape reading. Each is designed to add speed, economy and dependability to your system. They will operate at speeds from 60 to 200 words per minute, depending upon the application needed. Proven features including sequential or multi-wire input-output facilities, type-box printing, all-metal clutches and a built-in automatic function control device provide almost unlimited facilities for communications, data pro-

cessing and automation. Components of the self-contained sets shown here are available for integration with other data-handling equipment.

Teletype applications engineers will be pleased to discuss your individual requirements with you at your convenience. This service is offered without obligation, of course. Please contact the address listed below that is most convenient to you.



Typing Tape Punch



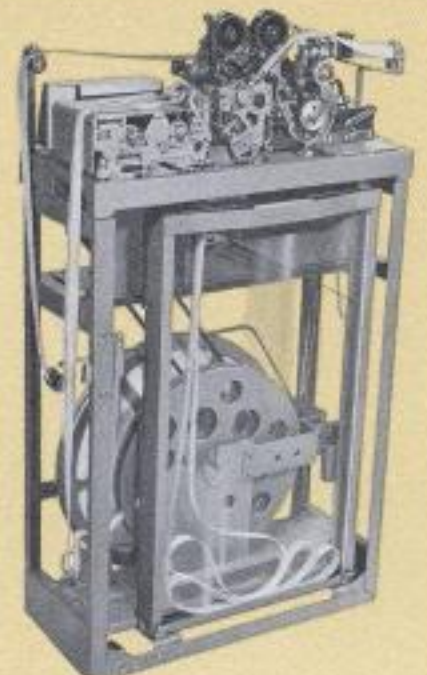
Multi-Contact Tape Reader



Automatic Send-Receive Set  
(A Composite Unit)



Table Model Send-Receive Page Printer



Automatic Tape Relay Set



Receive-Only Page Printer



Send-Receive Page Printer

**TELETYPE<sup>®</sup>**  
**CORPORATION**  
SUBSIDIARY OF *Western Electric Company* INC

**CHICAGO**  
4100 Fullerton Ave.  
Chicago 39, Illinois  
SPaulding 2-1040  
\*TWX No. CG-105  
W.U. Service on Premises.

**WASHINGTON**  
425 13th Street, N. W.  
Washington 4, D. C.  
METropolitan 8-1016  
\*TWX No. WA-292

\*"Unattended Service" at these offices permits receipt of incoming communications after office hours.