

MODEL 28 AUTOMATIC SEND-RECEIVE SET SPECIFICATIONS

Size: Height 39", Width 36", Depth (minus Keyboard) 18-1/2"
Keyboard extends 5" outward from front of Cabinet

Approximate weight: 260 pounds

Components:

Typing Unit

Standard features:

- .020 or .060 ampere 115 V DC line current input
- All-metal clutches
- Interchangeable type box
- Stunt box devoted wholly to nontyping functions
 - Ten of the 42 slots in the stunt box are reserved for the common functions, such as carriage return, line feed, shift, unshift, etc. associated with printing of copy. The remainder of the slots can be used for easy installation of parts to initiate mechanical motions within the printer or to operate electrical switches for remote control operations.
- Ten characters per inch horizontal spacing
- Six lines per inch on "single" line feed, three lines per inch on "double" line feed

Optional features:

- Friction feed or sprocket feed mechanism
- Form out, with transmitter distributor control, for either friction feed or sprocket feed
- Horizontal tabulation with transmitter distributor control
- Automatic carriage return and line feed
- Combined carriage return and line feed
- Motor stop contact mechanism
- Reperforator control contact mechanism
- Local and on-line reverse line feed
- Local and on-line backspace
- Use of various widths of sprocket feed paper
- Selective calling - the ability to selectively "call-in" a printer or printers with no sacrifice of upper case characters; also the ability to operate (by means of code combinations generated locally or remotely) numerous normally open or normally closed contacts in the stunt box without sacrifice of upper case characters. Operations of the contacts can be used for switching or control operations. By use of a single letter CDC (Call Directing Character) 20 CDC's can be established. By making use of "sequential selection" 400 CDC's can be generated using a 2-letter CDC; or by using a 3-letter CDC, 8000 CDC's can be generated.
- Four lines per inch on "double" line feed; operation on "single" line feed not recommended
- Two lines per inch
- Five characters per inch horizontal spacing
- Twelve characters per inch horizontal spacing

Keyboard

Standard features:

Three rows of character keys
 Keys in upper fourth row, for local controls, including:
 Local carriage return key
 Local line feed key
 Repeat key
 Generation of 5-level signals and transmission of neutral or polar signals serially by means of a single-contact assembly
 Manual operated 3-position control switch to give only keyboard transmission, at line speed rate, in "K" position; keyboard transmission and tape perforation, at line speed rate, in the "K-T" position; only tape perforation, at a maximum rate of 900 operations per minute, in the "T" position
 The manual control switch also controls a 2-deck rotary switch for circuitry control
 Counter mechanism
 Tape-out alarm
 End-of-line mechanism
 Power backspace of tape punch unit
 Provides mounting for page printer, motor unit and any one of four available tape punch units

Optional features:

Local paper feed-out motor starting mechanism
 Electrical signal line break mechanism
 10-deck rotary switch for circuitry control

Tape Punch Unit - choice of any one of the following four:

Nontyping Perforator

Standard features:

Produces 5-level chadless tape
 Power backspace, controlled from keyboard
 On-line operation at line speed rate
 Off-line operation regardless of on-line speed, at a speed higher than the maximum on-line rate of 100 wpm

Optional features:

Code reading contacts
 Auxiliary timing contacts

Typing Perforator

Standard features:

Produces 5-level printed chadless tape
 Printing is six characters in back of corresponding perforation
 On-line operation at line speed rate
 Off-line operation at a speed slightly higher than the maximum on-line rate of 100 wpm
 Power backspace, controlled from keyboard

Optional features:

Code reading contacts
Auxiliary timing contacts

Nontyping Reperforator

Standard features:

Off-line perforation of 5-level chadless tape at a rate higher than the maximum on-line rate of 100 wpm
On-line perforation of tape at line speed rate on both transmission and reception of line signals

Optional features:

Code reading contacts, break-before-make
Auxiliary contacts
Noninterfering metered tape feed-out on "LETTERS" or "BLANK", manual or automatic
Power backspace, controlled from keyboard

Typing Reperforator

Standard features:

Produces 5-level printed chadless tape
Printing is six characters in back of corresponding perforation
On-line perforation of tape at line speeds on both transmission and reception of line signals
Off-line perforation of tape from the keyboard at a maximum rate of 635 operations per minute regardless of the on-line rate of operation

Optional features:

Code reading contacts
Auxiliary timing contacts
Power backspace mechanism, controlled from the keyboard
Probe contact for use in an alarm circuit to detect failure of the punch mechanism following the selector cycle

Tape Reader Unit - choice of any one of the following four:

Fixed-Head, Single-Contact Transmitter Distributor

Standard features:

Stationary tape sensing head
Reads 5-level tape
Single contact distributes neutral or polar signals "on-line" on a sequential basis
End-of-tape stop mechanism
Tangled or taut tape stop mechanism
3-position manual control mechanism for "start," "stop," "free-wheeling"

Optional features:

Code reading contacts for control features or to provide 5-wire parallel output for business machines or computer systems

Pivoted Head, Multicontact Transmitter Distributor

Standard features:

Pivoted tape sensing head designed to feed "loose tape or to climb up taut tape which permits transmission of the last perforated character in the tape
 Reads 5-level tape
 Sensing shaft and distributor shaft are each capable of being actuated independently of the other by local or remote control
 Sensing character is stored on contacts, permitting a 5-wire parallel output for external use or for use by the distributor mechanism
 The signal distributor utilizes a 5-wire input, either from the sensing mechanism or from an external source, and transmits the signals "on-line" on a sequential basis
 No manual controls are provided on the unit

Fixed Head, Multicontact Transmitter Distributor

Standard features:

Stationary tape sensing head
 Reads 5-level tape
 Sensing shaft and distributor shaft are each capable of being actuated independently of the other by local or remote control
 Sensing character is stored on contacts, permitting a 5-wire parallel output for external use or for use by the distributor mechanism
 The signal distributor utilizes a 5-wire input, either from the sensing mechanism or from an external source, and transmits the signals "on-line" on a sequential basis
 End-of-tape stop mechanism
 Tangled or taut tape stop mechanism
 3-position manual control mechanism for "start," "stop," "free-wheeling."
 Auxiliary contacts

Pivoted and Fixed Head, Multicontact Transmitter Distributor

Standard features:

5-level pivoted head reader for use in line with a punch unit to permit the pivoted sensing head to climb up taut tape and transmit the last character in the tape. Sensing character is stored on contacts, permitting a 5-wire parallel output for external use or for use by the distributor mechanism.

5-level stationary sensing head easily accessible, to permit transmission from tape prepared remotely without need for removal of tape from pivoted sensing head. Sensing character is stored on contacts, permitting a 5-wire parallel output for external use or for use by the distributor mechanism.

The signal distributor utilizes a 5-wire input, from either of the two sensing mechanisms or from an external source, and transmits the signals "on line" on a sequential basis.

The unit has no control switches

Switching is done by means of external circuitry normally furnished by the customer. The stationary sensing head is equipped with a tape-cut switch, tape lid switch and a twin-tape switch.

Electrical Service Unit

Standard features:

Provides for a termination of all functional circuits on the cabinet terminal blocks for utilization of customer circuitry
 Power switch
 Convenience receptacle
 Power fuse

Optional features:

Line relay mounting with radio frequency noise suppressor
 Motor stop relay
 Line test key operable from the front of the cabinet
 Rectifier with 0.12 ampere 115 V DC output
 Rectifier with 0.20 ampere 115 V DC output 60 w

Motor Unit

Synchronous motor:

Speed	3600 rpm
Input voltage	115 [±] 10% volts AC
Phase	Single phase
Frequency	60 [±] 0.75% cycles
Wattage	150 watts
Starting current	12.25 amperes
Running current	2.8 amperes
Power factor	23% at no load; 44.75% at full load
Heat dissipation	70 watts

Cabinet

Standard features:

A cradle with leveling adjustment is provided for mounting apparatus. The cradle is located on vibration insulating mounts
 Feet for leveling the cabinet
 Provision for installation of an apparatus mounting rack in the lower cavity to accommodate either 19" or 23" commercial panels
 Copy illuminating lamps for both the page printer copy and the tape printing and/or perforating areas
 A switch knob operable from the front of the cabinet for setting the apparatus to operate at "Keyboard-Tape" or "Tape" positions
 Copyholder, with line guide, for short copy
 Terminals for attachment of customer's signal, control and power circuits.

Optional features:

Offset copyholder, with line guide, for long copy
Means for feeding forms
Form collector box and paper supply for forms
Intermediate tape storage bin when pivoted-head transmitter
distributor is used
Tape winder on resilient mounting when pivoted-head transmitter
distributor is used

Gears

Gear sets are available for standard line speeds of 60, 75 or 100 words
per minute.

HIGH SPEED TAPE PUNCH AND TAPE READER
TAPE PUNCH SET

Dimensions: Height 10", Depth 14-1/2", Width 6-3/4" when single tape reel is used, Width 8-3/4" when double tape reel is used

Approximate weight : 25 pounds

Components:

Tape Punch

Standard features:

Produces fully perforated tape at speeds up to 60 characters per second (600 wpm)

Multiple wire input

Punch selector magnet provided for each level of information to be perforated. The magnet armature is fully attracted within six to eight milliseconds, using 0.025 amperes, 120 volts DC, and released within six milliseconds. Current-limiting resistors are not a part of the set.

The tape feed magnet armature is fully attracted within eight to 10 milliseconds, using 0.025 amperes, 120 volts DC, and released within four milliseconds.

A current-limiting resistor is not a part of the set. Synchronizing contacts which can be wired for make-break or break-make operation.

Optional Features:

Punch Units available for 5-, 6- or 7- level codes

Perforation of two tapes simultaneously

Manual tape feed-out

Base

Standard features:

Provides mounting facilities for Punch Unit, Motor Unit, and drive parts

Tape supply reel of 1,000-foot capacity

Optional features:

Low-tape switch mechanism to operate visual and/or audible alarms. The alarms are not a part of the set.

Motor Unit - Synchronous

Input voltage	115 ± 10% volts AC
Phase	Single phase
Frequency	60 ± 0.75% cycles
Starting current	9 amperes
Running current	1.85 amperes
Power factor	0.30
Wattage	65 watts
Heat dissipation	50 watts

Motor mounting and drive parts

Provides parts for mounting Motor Unit on Base
 Provides drive parts for 100 words per minute
 (10 operations per second), or 600 words per minute
 (60 operations per second), or 3,800 operations per
 minute (used under certain conditions to maintain
 synchronism with the input)

Cover in standard finishes

TAPE READER SET

Dimensions: Height 7-3/4", Depth 7-1/4", Width 13-1/2" with
 a single reader, Width 17" with a double reader

Approximate weight: 22 pounds using a single reader, 26 pounds
 using a double reader

Components:

Reader Unit

Standard features:

Reads chadless or fully perforated tape at speeds
 up to 60 characters per second (600 wpm). The
 reader may be pulsed at a lower rate of operation.
 Multiple wire output, polar or neutral, is provided
 by having a sensing contact for each level of
 code to be used

Sensing contact rating:

Maximum of 0.015 ampere at 120 volts AC or DC

Minimum of 0.015 ampere at 50 volts AC or DC

Minimum frequency for AC is 360 cps

Manual control lever provides "free-wheeling",
 making insertion of tape convenient without
 need for raising hinged tape lid

End-of-tape stop mechanism

The control magnet armature attracts fully in
 approximately 10 milliseconds at 0.090 ampere,
 120 volts DC, and releases in approximately
 six milliseconds

Optional features:

Readers available for 5-, 6-, 7- or 8-level codes

Two readers can be mounted on a single base, permitting transmission from one tape while a second tape is being inserted in the second reader. Transfer of transmission from one reader, when the end of the tape is sensed, to the other reader is automatic.

Base

Standard features:

Provides for mounting the Reader, Motor Unit and drive parts
Includes covers

Optional features:

Base available for mounting two Readers, a single Motor Unit, and the necessary drive parts

Motor Unit - Synchronous

Input voltage	115 \pm 10% volts AC
Phase	Single phase
Frequency	60 \pm 0.75% cycles
Starting current	9 amperes
Running current	1.85 amperes
Power factor	0.30
Wattage	65 watts
Heat dissipation	50 watts

Drive parts

Parts available for 60 operations per second (600 wpm).
The Reader unit can be pulsed at any lower rate of operation.

MODEL 28 MULTIMAGNET REPERFORATOR SET

Size: Height 9-1/4", Width 13", Depth 14-1/8"

Approximate Weight: 48 pounds

Components:

Multimagnet Reperforator Unit

Standard features:

Perforates 5-level chadless tape
5-Code magnets, one for each level of the 5-unit code, require multiwire input with a current value of .040 amperes, 115 volts DC for each magnet. Current-limiting resistance is not a part of the set.
The clutch trip magnet requires .100 amperes, 115 volts DC. Current-limiting resistance is not a part of the set.
The magnet release contact, which breaks the circuits to the code and clutch trip magnets, has a current capacity of .3 amperes, 115 volts DC. An external RC spark suppressor, not supplied as a part of the set, should be used to protect the contact.
Will operate up to a speed of 200 words per minute (1200 operations per minute).

Optional features:

Reader mechanism which senses the perforations in the tape and reads back the message code on multiwire signal paths to verifying facilities.
The sensing contacts operate at .025 amperes, 115 volts DC. Verifying facilities are not a part of the set.
Metered tape feed on "Blank". The control magnet is operable on .100 amperes, 115 volts DC with a minimum operating pulse length of 30 milliseconds. Current-limiting resistance is not a part of the set.

Base

Standard features:

Provides mounting facilities for the Reperforator and Motor Units.
A tape container is a part of the base
Low-tape contact mechanism for operating an alarm.
The alarm is not a part of the set.

Motor Unit - Synchronous

Input voltage	115 \pm 10% volts AC
Phase	Single phase
Frequency	60 \pm 0.75% cycles
Starting current	9 amperes
Running current	1.85 amperes
Power factor	0.30
Wattage	65 watts
Heat dissipation	50 watts

Gears for speeds up to 200 words (1200 operations) per minute

Cover in standard finishes. Not compatible with the reader mechanism.

MODEL 28 REPERFORATOR TRANSMITTER SET

Size: Height 36", Width 8-1/2", Depth 20"

Approximate weight: 82 pounds

Components:

Reperforator - Choice of Typing or Nontyping

Standard features - Typing Reperforator

Perforates 5-level chadless tape
Printed character six spaces in back of the associated perforation
.030 to .060 ampere signal input
Operating speeds up to 100 words per minute

Optional features - Typing Reperforator

Code reading contacts which can provide a 5-wire parallel output to external equipment
Auxiliary timing contact
Universal contact

Standard features - Nontyping Reperforator

Perforates 5-level chadless tape
Operating speeds up to 200 words per minute

Optional features - Nontyping Reperforator

Code reading contacts which can provide a 5-wire parallel output to external equipment
Auxiliary timing contact
Universal contact

Transmitter Distributor - Pivoted Head, Multicontact

Standard features:

Pivoted tape sensing head designed to feed slack tape or to climb up taut tape which permits transmission of the last character fed from the reperforator
Reads 5-level tape
Hinged tape lid
Sensing shaft and distributor shaft are each capable of being actuated independently of the other by local or remote control
Sensed character is stored on contacts, permitting a 5-wire parallel output for external use or for use by the distributor mechanism
The signal distributor utilizes a 5-wire input, either from the sensing mechanism or from an external source, and transmits the signals sequentially
End-of-tape stop mechanism
Operating speeds up to 200 words per minute
Sensing clutch and distributor clutch start magnets operate on:
110-120 volts DC, .095-105 amperes (external resistance required)
45-55 volts DC, .145-.175 amperes (external resistance required)

Base

Standard features:

Provides mounting facilities for reperforator, transmitter distributor, motor unit and manual gear shifts and/or fixed gear arrangements

Optional features:

Fixed gear arrangements and manual gear shifts are available to drive the reperforator and the transmitter distributor at identical or dissimilar operating speeds. The manual gear shift provides for selection of 60, 75 or 100 words per minute operation. A gear shift mechanism can be used to drive each of the units or a gear shift mechanism can be used to drive one of the units with a fixed gear drive for the second unit

Motor Unit - Synchronous Motor

Input voltage	115 ± 10-o/o volts AC
Phase	Single phase
Frequency	60 ± 0.75-o/o cycles
Starting current	9 amperes
Running current	1.85 amperes
Power factor	0.30
Wattage	65 watts
Heat dissipation	50 watts

Tape Handling Stand

Standard features:

Tape supply reel of 3000-foot capacity
Tape storage bin with storage capacity of approximately 150 feet of tape between the reperforator and the transmitter distributor
Tape winder with a capacity of 1000 feet of chadless perforated tape.
The tape winder is driven from the motor unit of the set
Tight tape and low tape contact mechanism to actuate visible and/or audible alarm
The alarms are not a part of the set

MODEL 28 RECEIVING ONLY TYPING REPERFORATOR SET

Size of Reperforator including Cover: Height 9-1/4", Width 13", Depth 14-1/8"

Approximate weight: 48 pounds

Components:

Typing Reperforator

Standard features:

Produces 5-level printed chadless tape
Printing is six characters in back of corresponding perforation

Optional features:

Code reading contacts
Auxiliary timing contacts
Signal bell contact
"LETTERS-FIGURES" contact
Probe contact for use in an alarm circuit to detect failure of the punch mechanism following the selector cycle
Power backspace mechanism controlled from an external source
Magnet operated noninterfering BLANK tape feed-out
Manual interfering LETTERS tape feed-out
Automatic LETTERS noninterfering metered tape feed-out

Base

Standard features:

Provides mounting facilities for reperforator unit and motor unit
Tape container

Optional features:

Single speed drive
Variable speed drive for 60, 75 and 100 words per minute
Line relay mounting
Rectifier
Signal bell
Tape-out audible alarm
Tape-out visual alarm

Motor Unit - Synchronous

Speed	3600 rpm
Input voltage	115 ± 10-o/o volts AC
Phase	Single phase
Frequency	60 ± 0.75-o/o cycles
Starting current	9 amperes
Running current	1.85 amperes
Wattage	65 watts
Power factor	0.30
Heat dissipation	50 watts

Gears for 60, 66, 75 or 100 words per minute

Cover in standard finishes

Optional Electrical Service Unit

Standard features:

Provides for interconnection of functional circuits on the base and the reperforator with line and power leads
Approximate weight of seven pounds

Optional features:

Line relay mounting
Rectifier with 0.12 ampere 115 V DC output
Rectifier with 0.30 ampere 115 V DC output

Optional Table

Standard features:

25-1/2" high, 20-1/2" wide, 13-5/16" deep
Weight approximately 50 pounds
Leveling feet
Nine point terminal board
Provides mounting surface for typing reperforator set
Lower compartment provides space for mounting electrical service unit
Standard finishes available

Optional features:

Shock mounts
Auxiliary apparatus mounting rack

MODEL 28 PRINTER SET SPECIFICATIONS

Size: Height 39", Width 20-1/2", Depth (minus Base or Keyboard) 18-1/2"
Receive-Only Base extends 1-3/4" outward from front of cabinet
Send-Receive Keyboard extends 5" outward from front of cabinet

Approximate weight: 120 pounds

Components:

Typing Unit

Standard features:

- .020 or .060 ampere DC line current input
- All-metal clutches
- Interchangeable type box
- Operation not affected by tilting or severe vibration
- Stunt box devoted wholly to nontyping functions. Ten of the 42 slots in the stunt box are reserved for the common functions, such as carriage return, line feed, shift, unshift, etc., associated with the printing of copy. The remainder of the slots can be used for easy installation of parts to initiate mechanical motions within the printer or to operate electrical switches for remote control operations.
- 10 Characters per inch horizontal spacing
- 6 Lines per inch on "single" line feed, 3 lines per inch on "double" line feed

Optional features:

- Friction feed or sprocket feed paper
- Form out, with transmitter distributor control for both friction feed and sprocket feed
- Horizontal tabulation with transmitter distributor control
- Automatic carriage return and line feed
- Combined carriage return and line feed
- Motor stop contact mechanism
- Local and on-line reverse line feed
- Local and on-line backspace
- Use of various widths of sprocket feed paper
- Selective calling - the ability to selectively "call-in" a printer or printers with no sacrifice of upper case characters, also the ability to operate (by means of code combinations generated locally or remotely) numerous normally open or normally closed contacts in the stunt box without sacrifice of upper case characters. Operation of the contacts can be used for switching or control operations. By use of a single letter CDC (Call Directing Character) 20 CDC's can be established. By making use of "sequential selection", 400 CDC's can be generated using a 2-letter CDC; or by using a 3-letter CDC, 8000 CDC's can be generated, etc.
- Four lines per inch on double line feed. Single line feed (using the feature to give 8 lines per inch) is not recommended
- Two lines per inch
- Five characters per inch horizontal spacing
- Twelve characters per inch horizontal spacing

Keyboard for Send-Receive Printer Set

Standard features:

- 3 Rows of character keys
- Keys in upper 4th row for local controls including:
 - Repeat key
 - Local line feed key
 - Local carriage return key
- Generation of 5-level signals and transmission of neutral or polar signals serially by means of a single-contact assembly
- Mounts motor unit and typing unit

Optional features:

- Time delay contact mechanism for use to stop motor when signal line remains idle
- Radio frequency noise suppressor for signal generator contact
- Keyboard lock and unlock mechanism
- Margin indicator mechanism
- Signal line break mechanism
- Repeat on space
- Paper feed out and motor starting mechanism to feed out paper during time circuit is shut down with all motors stopped
- Backspacing of typing unit and associate reperforator by operation of local backspace key

Receive-Only Base

Standard features:

- Mounts motor unit and typing unit
- Local line feed and local carriage return keys

Optional features:

- Time delay contact mechanism
- Signal line break mechanism
- Paper feed out and motor starting mechanism

Motor Unit

Synchronous motor

Input voltage	115 ± 10-0/0 volts AC
Phase	Single phase
Frequency	60 ± 0.75-0/0 cycles
Starting current	9 amperes
Running current	1.85 amperes
Power factor	0.30
Wattage	65 watts
Heat dissipation	50 watts

Governed motor

Input voltage	115 ± 10-0/0 volts AC
Phase	Single phase
Frequency	50 to 60 cycles
Starting current	1.75 amperes
Running current	1 ampere
Power factor	0.83
Wattage	95 watts
Head dissipation	75 watts

Gears for 360 rpm, 404 rpm, 460 rpm or 600 rpm

Electrical Service Unit

Standard features:

- Circuitry for interconnecting power and line circuits with keyboard, typing unit and cabinet circuits
- Power fuse
- Convenience receptacle
- Power switch
- Line shunt relay

Optional features:

- Line relay mounting with RF noise suppressor
- Motor stop relay
- Line test key
- Rectifier - 0.12 ampere, 115 volt DC output
- Rectifier - 0.30 ampere, 115 volt DC output

Cabinet

Floor type

Standard features:

- Cradle for mounting the typing unit. Cradle can be tilted and latched forward to permit servicing of the printer
- Signal bell
- Copylights
- Lower cavity for installation of line terminal equipment or control equipment
- Copyholder

Optional features:

- Offset copyholder
- RF noise suppressors for power leads and for signal line leads
- Apparatus mounting rack for lower cavity
- Paper winder mounting bracket
- Sprocket feed paper form-out alarm

Table type is similar to the floor type except it has no lower section

MODEL 28 LXD TRANSMITTER DISTRIBUTOR SET

Size: Height 7", Width 7-1/2", Depth 14-1/2"

Approximate weight: 26-1/2 pounds

Components:

Transmitter Distributor

Standard features:

Stationary tape sensing head
Hinged tape lid
Reads 5-level chadless or fully perforated tape
Single contact distributes neutral or polar signals "on-line"
sequentially
Three position manually operated lever provides "start," "stop" and
"free wheeling"
End-of-tape stop mechanism
Tangled or taut tape stop mechanism
Clutch trip magnet operates on:
110-120 Volt 60 cycles AC
110-120 Volt DC, approximately .100 amperes (external resistance
required)
45-55 Volt DC, approximately .100 amperes (external resistance
required)

Optional features:

Code reading contacts to provide parallel wire simultaneous output
"LETTERS" and "FIGURES" sensing mechanism

Base

Standard features:

Provides mounting facilities for transmitter distributor unit and
motor unit
Vibration mounts
Power switch

Cover in standard finishes

Gears for 60, 75 or 100 words per minute

Motor Unit - Synchronous

Speed	3600 rpm
Input voltage	115 ± 10-o/o volts AC
Phase	Single phase
Frequency	60 ± 0.75-o/o cycles
Starting current	9 amperes
Running current	1.85 amperes
Wattage	65 watts
Power factor	0.30
Heat dissipation	50 watts

Model 28 LBXD Transmitter Distributor Set

Size: Height 6-1/2", Width 9", Depth 16"

Approximate weight: 26 pounds

Components:

Transmitter Distributor

Standard features:

Stationary tape sensing head
Hinged tape lid
Reads 5-level chadless or fully perforated tape
Sensing shaft and distributor shaft are each capable of being actuated independently of the other by local or remote control
Sensed character is stored on contacts, permitting a 5-wire parallel output for use by the distributor mechanism or for external use
The signal distributor utilizes a 5-wire input, either from the sensing mechanism or from an external source, and transmits the signals "on-line" sequentially
End-of-tape stop mechanism
Tangled or taut tape stop mechanism
3-position manual control mechanism for "start", "stop", "free-wheeling"
Auxiliary contacts
The clutch trip magnets operate on:

110-120 volts DC, .095-.105 amperes (external resistance required)
45-55 volts DC, .145-.175 amperes (external resistance required)

Base

Provides mounting facilities for the transmitter distributor, motor unit, gear train, power switch, connectors
Vibration mounts

Subbase

Can be secured to a mounting surface
Provides slip connections for transmitter distributor

Motor Unit - Synchronous

Speed	3600 rpm
Input voltage	115 ± 10% volts AC
Phase	Single phase
Frequency	60 ± 0.75% cycles
Starting current	9 amperes

Running current	1.85 amperes
Wattage	65 watts
Power factor	0.30
Heat dissipation	50 watts

Gears

For 60, 75 or 100 words per minute - using
7.42 unit code
For 65 or 106 words per minute - using 7.00
unit code

Cover in standard finishes