

AE

STATION EQUIPMENT





Different people need different phones

Every person in your community has specific telephone needs. Take the executive who needs expanded key service . . . or the housewife who needs a step-saving wall phone . . . the doctor who needs a multi-line phone . . . the woman who needs a compact Starlite. Such a list could go on and on. They are different customers . . . with different needs . . . and so they want different phones.

AE makes a phone for every customer need

This catalog presents a complete selection of AE station equipment. You'll find phones for anywhere in the home, for any size business, for any special location. It's all here . . . description, prices and ordering information. When you order, you get AE's built-in benefits. That means dialing with proven dependability. It means voice transmission with utmost fidelity. It means maintenance so rare that substantial savings are inevitable. And, it means a self-compensating network which automatically adjusts for various line conditions. The needs of your customers have never been greater. With this catalog, you can meet *any* customer need. Then watch the revenue roll in!

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Type 80 Desk Telephone



You'll find Type 80 superior in every way—in performance, service, maintenance and design.

Dialing is dependable—quick and quiet. Finger-plate is lower on outer edge so numbers are easy to see from various positions. Twin contacts insure positive, reliable operation. Dial dust cover protects from dirt and insects. Housing is set on non-skid feet. New dial mounting slides on and off—no screws to loosen. Big, easy-to-read figures and arrowheads make dialing fast and accurate.

Transmission is clear and lifelike. Shorter handset brings transmitter closer to speaker's mouth—boosts volume and overcomes line loss and noises. Self-compensating network *automatically* adjusts for different line conditions. New induction coil and balancing network reduce side-tone. Induction coil, condenser and balancing network are all sealed against moisture.

Installation is simple and swift. Your service man needs only a screwdriver and a few minutes. Components are all grouped together in screw-mounted units. No soldering is required—all wires end in spade clips which attach to screw terminals. The unique "installer's hooklock" is a special feature of Type 80. It keeps the hook down during installation—leaves your service man with both hands free. No calls are lost, no switches tied up, while phone is being worked on.

Type 80's handset almost "walks" right into the cradle, and this practically eliminates "off-hook" trouble.

Type 80 is clean and compact in design. Housing and handset molded of tough plastics to take the roughest abuse. Subscribers can choose from 7 decorator colors plus black.

Type 90 Wall Telephone



Combines advantages of wall mounting with advanced features of our Type 80 Desk Telephone. It's especially popular for use in the home. Type 90 saves desk and table space—remains out of the way, yet within easy reach. Coiled cord pulls up close to the phone—children can't reach it.

Handset can't be dragged, brushed or knocked off the hook. The cradle wraps around the handset and holds it securely. This keeps "off-hook" trouble calls down. No problem with broken hooks, either—the tough, chrome-plated cradle fits securely to a sturdy shaft which turns in a long bearing-bracket. It's more than a match for the handset-slaming subscriber.

Type 90 has a shallow profile because the handset mounts at the side. It doesn't stick out into the room—fits snugly to the wall. Another advantage is when subscriber has to leave the phone, he can hang handset behind the cradle. This keeps the handset from dangling down the wall and scratching its finish. The special dial angle makes numbers easy to read whether you stand or sit.

Installation and maintenance are a snap. All components are mounted on the base within easy reach. Loosen just one screw, the cover lifts off and you fasten Type 90 to the wall (handset stays in the cradle). The ringer is removed from the front—without taking phone off the wall. Self-compensating network. To remove dial, just push and lift. A couple turns of the screwdriver and you connect the line wires to the terminal block.

Subscribers will admire the streamlined design of Type 90. What's more, there are 7 decorator colors to choose from. Subscribers can have a color to blend or contrast with any color scheme.

To order, see opposite page.

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How to Order and Price Type 80 and 90 Telephones

To quickly find the complete part number and total price for any Type 80 or 90 phone, follow the four steps outlined on this page.

Example

Step 1. Let's suppose you choose a standard Type 80 phone in color (coiled cord is standard). Your part number in Column 2 is NB-822. Your basic price in Column 3 is \$17.95.

Step 2. This step determines the specific color you want. You choose Sand Beige color. Your part number is 10. Price is included in Step 1.

Step 3. You choose dial with ABC number plate. Your part number is C. Add \$6.15 to your basic price.

Step 4. You choose straight-line ringer with adjustment wheel. Your part number is SA. Add \$6.20 to your basic price.

Your complete part number:

NB-82210-CSA

Your total price:

Basic price.....	\$17.95
ABC dial.....	6.15
Ringer with	
Adj. wheel.....	6.20
	\$30.30

	Column 1	Column 2	Column 3
	Description	Part No.	Price Each
Step 1 Choose phone (coiled cord is standard).	Type 80 Telephone, Black.....	NB-802	\$15.45
	Type 80 Telephone, Black with Hooklatch.....	NB-812	16.55
	Type 80 Telephone, Color.....	NB-822	17.95
	Type 80 Telephone, Color, with Hooklatch.....	NB-832	19.05
	Type 90 Telephone, Black.....	NB-902	15.45
	Type 90 Telephone, Black, with Hooklatch.....	NB-912	16.55
	Type 90 Telephone, Color.....	NB-922	17.95
	Type 90 Telephone, Color, with Hooklatch.....	NB-932	19.05
Step 2 Choose black or a color.	Black.....	00	Price Included in Step 1
	Sand Beige.....	10	
	Jade Green.....	12	
	Classic Ivory.....	13	
	Turquoise.....	15	
	Sunlight Yellow (Type 90 phone only).....	17	
	Camellia Pink.....	18	
	Gardenia White.....	19	
Step 3 Choose dial (color Type 80 & 90 phones with ABC dials, less ringers, are in stock).	Forget-me-not Blue (Type 80 phone only).....	30	
	Dial with 1-0 Number Plate.....	A	Price Includ- ed in Step 1
	No dial (dial blank only).....	B	
	Dial with ABC (Metropolitan) Number Plate.....	C	
	Dial with SATT Party Identification..... (See Chart 1 on page 14 for ordering information)	D-U	
Step 4 Choose ringer			6.15
			7.65
	Straight-line, less adjustment wheel.....	SL	\$5.95
	Straight-line, with adjustment wheel (Type 80 only).....	SA	6.20
	16.6-cycle Harmonic.....	16	6.50
	20-cycle Harmonic or Decimonic.....	20	6.50
	25-cycle Harmonic.....	25	6.50
	30-cycle Harmonic or Decimonic.....	30	6.50
	33.3-cycle Harmonic.....	33	6.50
	40-cycle Decimonic.....	40	6.50
	42-cycle Harmonic.....	42	6.50
	50-cycle Harmonic only.....	50	6.50
	50-cycle Decimonic only.....	51	6.50
	54-cycle Harmonic.....	54	6.50
	60-cycle Decimonic.....	60	6.50
	66-cycle Harmonic.....	66	6.50
	66.6-cycle Harmonic.....	67	6.50
	Ringer with vacuum tube for superimposed ringing.....	VT	7.95
	Ringer with vacuum tube for superimposed ringing and adjustment wheel (Type 80 phone only).....	VA	8.20
	Less Ringer.....	XX	Price Included in Step 1

NOTE: For fastest delivery, order phones and ringers separately.

Prices are subject to change without notice.

Type 182 Starlite® Telephone

Here's the unique new extension phone that's smaller in size . . . different in design. Starlite is the perfect phone to complement any room in the home . . . the perfect extension where space is limited.

It's little! It's lovely! Subscribers will like Starlite's original rectangular design. And they'll really appreciate it's space-saving size—about one-half the size of regular phones. The handset blends with the housing to form a low silhouette and unified shape. A recessed area below the dial plate provides a handy pick-up grip.

Electroluminescent dial light! Starlite's soft, green dial light glows for years longer than ordinary incandescent lamps. That's because it's electroluminescent . . . an exclusive feature of Starlite. There's no filament to burn out, so it doesn't have to be replaced every few months. No heat is given off, either. And the electroluminescent dial light costs only a penny or two per year. In addition, the light can be turned from dim to bright whether the handset is on or off the hook.

Holds its place in use! Starlite resists being pulled

off a table or desk. A rubberized cork pad covers the bottom of the housing and keeps Starlite in place when in use. Also, Starlite's handset cord extends to its full length with little tension.

Six colors! Your subscribers can choose from six popular pastels: beige, pink, blue, white, ivory and turquoise.

Easy to install! Starlite uses a standard 3-conductor line cord. A separate cord plugs into a 110-volt, a-c. outlet to provide current for the dial light. The current is automatically limited by a resistor within the Starlite. Result: easy, convenient installation. Also, Starlite can be equipped with a standard, 4-prong plug for portability.

Use as a main station, too! With AE's Type 33 Compact Ringer Box, Starlite can be used as a main station—or as a ringing extension. This wall-mounted ringer box measures only $5\frac{1}{4}$ inches long, $5\frac{1}{4}$ inches wide and $2\frac{1}{16}$ inches deep. It houses a high impedance ringer, either straight-line, harmonic or decimonic—in any standard frequency. Available in 11 colors or black. To order, see Page 18.



How to Order and Price Type 182

To quickly find the complete part number and total price for any Type 182 phone, follow the three steps outlined on this page.

Example

Step 1. Choose the phone as described in Column 1. Your part number in column 2 is NB-825. Your basic price in column 3 is \$16.85.

Step 2. You choose dial with ABC number plate. Your part number is C. Add \$6.15 to your basic price.

Step 3. This step determines the specific color you want. You choose Sand Beige color. Your part number is B. Price included in Step 1.

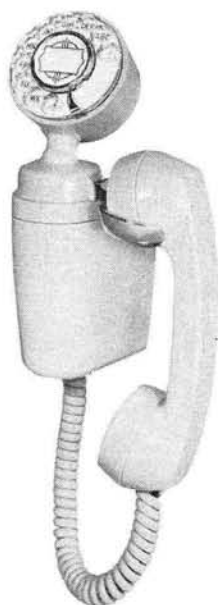
Your complete part number:
NB-825-CB

Your total price:
\$23.00

	Column 1	Column 2	Column 3
	Description	Part No.	Price Each
Step 1 Choose the phone you want.	Type 182 Starlite, with Coiled Cord	NB-825	\$16.85
Step 2 Choose the dial you want.	Dial with 1-0 Number Plate	A	\$6.15
	Dial Blank	B	2.15
	Dial with ABC Number Plate	C	6.15
	Dial with SATT Party Identification. (Order separately. See Chart 4 on page 14.)		7.65
Step 3 Choose the color you want.	Sand Beige	B	Price Included in Step 1
	Classic Ivory	E	
	Turquoise	G	
	Forget-Me-Not Blue	K	
	Camellia Pink	L	
	Gardenia White	M	

Prices are subject to change without notice.

Type 183 Space-Maker® Telephone



Adjustable Dial and Handset. Dial tilts up to 45° and rotates 360°. At any point, it locks in place. Hookswitch swings from side to side—a 180° arc. Within this arc, the hookswitch locks in any one of seven positions. Your installer can set both dial and handset in the positions most convenient for your subscriber.

Mounts on Any Vertical Surface. Wall, column, side of desk or workbench. It's out-of-the-way, yet within easy reach. Your subscriber saves time, saves steps—without using any table or counter space.

As an extension, Type 183 needs only two wires to its associated main-line instrument. In addition, Type 183 may be used in conjunction with Type 33 Compact Ringer Box as a complete subscriber's station. To order Ringer Box, see Page 18.

How to Order and Price Type 183

	Part No.	Price Each
Step 1: Choose phone		
Type 183 Space-Maker w/coiled cord.....	NB-830	\$19.05 (Black) 20.55 (Color)
Step 2: Choose dial		
Dial with 1-0 Number Plate.....	A	\$6.15
No dial (Dial blank only)	B	Price included in Step 1
Dial with ABC Number Plate.....	C	6.15
Dial with SATT Party Identification. (Order separately. See Chart 3 on page 14).....		7.65
Step 3: Choose black or a color		
Black.....	A	
Sand Beige.....	B	Price included in Step 1
Jade Green.....	D	
Classic Ivory.....	E	
Turquoise.....	G	
Sunlight Yellow.....	J	
Camellia Pink.....	L	
Gardenia White.....	M	

Example

You choose Type 183 with ABC dial and in Sand Beige color.

Your complete part number is: **NB-830-CB**

Your total price is: **\$26.70**

Type 80-T Sound-Booster* Telephone



Designed for hard-of-hearing people and installations which present unusual transmission problems.

The built-in, transistor amplifier makes it possible to amplify incoming signal up to 6 times (16 db), at the turn of a knob.

How to Order and Price Type 80-T

	Part No.	Price Each
Step 1: Choose phone	NA-802	\$50.60 (Black) 53.10 (Color)
Type 80-T phone w/coiled cord.....		
Step 2: Choose black or a color		
Black.....	00	
Sand Beige.....	10	
Jade Green.....	12	Price included in Step 1
Classic Ivory.....	13	
Turquoise.....	15	
Camellia Pink.....	18	
Gardenia White.....	19	
Forget-Me-Not Blue....	30	
Step 3: Choose dial		
1-0 Dial.....	A	\$6.15
No dial (dial blank only)	B	Price included in Step 1
ABC Dial.....	C	6.15
Step 4: Choose ringer		
Straight-line, less adjustment wheel....	SL	\$5.95
Straight-line, with adjustment wheel....	SA	6.20
16.6-cycle Harmonic....	16	6.50
20-cycle Harmonic or Decimonic.....	20	6.50
25-cycle Harmonic....	25	6.50
30-cycle Harmonic or Decimonic.....	30	6.50
33.3-cycle Harmonic....	33	6.50
40-cycle Decimonic....	40	6.50
42-cycle Harmonic....	42	6.50
50-cycle Harmonic only.	50	6.50
50-cycle Decimonic only	51	6.50
54-cycle Harmonic....	54	6.50
60-cycle Decimonic....	60	6.50
66-cycle Harmonic....	66	6.50
66.6-cycle Harmonic....	67	6.50
Ringer with vacuum tube for superimposed ringing.....	VT	7.95
Less Ringer.....	XX	Price included
*Sound-Booster is a trademark of Automatic Electric Company		

Prices are subject to change without notice

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Type 87 Multi-Line Phone



Your small business subscribers will like Type 87. It provides low-cost multi-line service in one compact phone—no separate relay equipment is required. Here's how Type 87 operates:

Line Keys. There are three line keys. Simply press to select a line or answer an incoming call. A flashing light means an incoming call. Common audible signal (buzzer) for all three lines.

Hold keys. There is an individual hold button for each line key—a total of three hold buttons. To hold call, just press the associated button. To remove call from hold position, just press the line button.

Exclusion Keys. Two exclusion keys are located in the cradle. To remove all extensions from line, press the left button. To bring extensions back on the line, press the right button. Extensions are automatically restored when handset is replaced. This feature can be used on only one of three lines.

Signal Button. Can be used to signal a secretary, an extension phone, or another Type 87 that is connected to one of the three lines. Signal may be audible or visual.

How to Order and Price Type 87

Step 1: Choose phone
Type 87 phone w/coiled cord.. **Part No. NB-872** **Price Each \$57.25** (Black)
\$9.75 (Color)

Step 2: Choose black or a color (matching line cord and coiled cord)

Black.....	00	
Sand Beige.....	10	
Dawn Gray.....	11	
Jade Green.....	12	Price Included
Turquoise.....	15	in Step 1
Gardenia White.....	19	

Step 3: Choose dial
Dial with 1-0 Number Plate... **A** **\$6.15**
No dial (dial blank only)..... **B** Price Included
Dial with ABC Number Plate. **C** **6.15**

Step 4: Choose ringer
Common audible signal..... **CA** **\$14.50**
Straight-line ringer..... **SL** **5.95**
Less ringer..... **XX** Price Included

Step 5: Choose key assembly
Without exclusion key..... **A** Price Included
With exclusion key..... **B** **\$2.00**

Type 860A Call Commander® Phone



Feature Combinations

- You can place, answer and hold calls for up to 17 central-office, P-B-X, or private lines
- Lighted plastic pushbuttons are also line signals
- Automatic ringer (constant or intermittent) on central-office lines
- Tie lines for linking one key system with another (distant) key system
- Manual (code) signaling, ring-down signaling, selective (dial) signaling, or automatic signaling on intercom, P-B-X or private lines

Intercom Service Features

- Selective dialing for up to 36 inside stations
- Pre-Set Conference—up to six other pre-selected stations may be called simultaneously by dial or pushbutton
- Select Conference—up to six intercom stations may be reached consecutively by pushbutton signaling
- Add-On Conference—you can add another station within office to an outside call
- Camp-On—reserves busy line for caller and automatically connects when line is free
- Privacy on intercom links through use of single or double "talking link" circuits
- Busy tone & dial tone feature on "talking link" circuits
- "Long line" connects off-premise station to Intercom Service
- Progressive Conference—you can dial up to six other intercom stations consecutively

Part No.	Description	Price Each
NB-860-CSLB	Call Commander**, Sand Beige, 12-button.....	\$220.00
NB-860-CSLD	Call Commander**, Jade Green, 12-button.....	220.00
D-59307-A	6-button key set (additional)....	30.60
D-543295-B	Running cable, 100', receptacle at both ends.....	114.00
D-543295-E	Running cable, 50', receptacle at one end.....	57.00
FD-1068-AB	Buzzer (15-20 V., A.C.).....	4.25
H-883001-8	Buzzer Mounting Assembly.....	.58

**Equipped with coiled cord, metropolitan dial, straight-line ringer with control lever, two 6-button key sets, about 8' of line cable (120 conductors) with plug. Order third 6-button key set (D-59307-A) separately.

Prices are subject to change without notice.

Type 86 Key Phone



Anyone can answer any outside call—without leaving his desk. Press a button and lift the handset. Presto, your call is connected. What's more, you can hold any outside call and transfer it to another party.

Feature combinations

- You can place, answer and hold calls for up to five central office, P-B-X, or private lines
- Lighted plastic pushbuttons are also line signals
- Choice of automatic ringer or buzzer signaling (constant or intermittent) on central-office lines
- Tie lines for linking one key system with another (distant) key system
- Manual (code) signaling, ring-down signaling, selective (dial) signaling, or automatic signaling on intercom, P-B-X, or private lines

Intercom Service Features

- Selective dialing for up to 36 stations
- Pre-Set Conference—up to six other stations may be called simultaneously by dial or pushbutton
- Add-On Conference—you can add another station within office to an outside call
- Camp-On—reserves busy line for caller and automatically connects when line is free
- Privacy on intercom lines through the use of single or double "talking link" circuits
- Busy tone and dial tone feature on "talking link" circuits
- "Long line" connects an off-premise station to Intercom Service
- Progressive Conference—you can dial up to six other intercom stations consecutively

Type 86-A Key Adapter



Converts standard phones (types 80, 90, 182, 183, 880 or equivalent phones) to keyset operation. Use with our 10A or 10A1 Key Systems (or the W.E. 1A or 1A1 systems).

How to Order and Price Type 86

Step 1: Choose phone	Part No.	Price Each
Type 86 Key phone w/coiled cord & junction box.....	NB-863	\$56.45 (Black) 58.95 (Color)
Type 86 Key Phone w/coiled cord & line cord trimmed for use with W.E. 44A terminal block.....	NB-862	\$52.70 (Black) 55.20 (Color)

Step 2: Choose black or a color (matching line cord and coiled cord)

Black.....	00	Price Included in Step 1
Sand Beige.....	10	
Dawn Gray.....	11	
Jade Green.....	12	
Turquoise.....	15	
Gardenia White.....	19	

Step 3: Choose dial

Dial with 1-0 Number Plate...	A	\$6.15
No dial (dial blank only).....	B	Price Included
Dial with ABC Number Plate.	C	6.15

Step 4: Choose signal

Straight-line ringer.....	SL	\$5.95
20-volt buzzer.....	BA	5.95

Step 5: Choose key assembly*

HPPPPsPsPs (6 key).....	C	Price Included
HPPPPsC (6 key).....	D	"
PPPPsPsPsPs (6 key).....	E	"
HPPPPsPsPs (6 key) w/exclusion key.....	H	2.00
HPPPPsC (6 key) w/exclusion key.....	J	2.00
PPPPsPsPsPs (6 key) w/exclusion key.....	K	2.00

*H—Hold key; P—Pickup key; Ps—Pickup key convertible to signal key; C—Extension cut-off key.

How to Order and Price Type 86-A

Step 1. Choose Key Assembly Key Adapter w/AE Junction Box:	Part No.	Price Each
HPPPPsPsPs (6 key).....	L-7030-C	\$38.75
HPPPPsC (6 key).....	L-7030-D	38.75
PPPPsPsPsPs (6 key).....	L-7030-E	38.75

Key Adapter w/line cord trimmed for use with W.E. 44A terminal block:

HPPPPsPsPs (6 key).....	L-7043-C	\$35.00
HPPPPsC (6 key).....	L-7043-D	35.00
PPPPsPsPsPs (6 key).....	L-7043-E	35.00

Step 2. Choose color (add appropriate letter to part number above).

Black.....	A	Jade Green.....	D	Add \$0.55 for color (except black)
Sand Beige.....	B	Turquoise.....	G	
Dawn Grey.....	C	Gardenia White..	M	

Prices subject to change without notice.

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Type 85 Multi-Line Telephone

Type 85 is available in three models that provide two-line pickup, signaling and extension exclusion.

Type 85-A. Has combined push-and-turn button only. Wired for 2-line pickup and signaling. User turns a button to switch to Line 2. He can also signal his secretary by pushing the same button. Type 85-A can be wired, on the job, as follows:

Single-Line Ringer Cut-off (Ringer in Set). Use as extension phone in bedrooms, workshops, private offices where quiet is often desired. Turning the button cuts off ringer, but line remains open to conversation.

Single-Line Extension Switching. An extension (or extension headset enabling a secretary to take notes) can be placed on line by turning button on "parent" phone, and is cut off by restoring the button. Single-Line Extension Switching with Ringer Transfer. Turning button on "parent" phone turns on extension ringer—disconnects ringer at "parent" station.

External Ringer Control. Turning button transfers ringing to distant ringer box (or boxes) elsewhere in building. If away from desk, subscriber knows when there is an incoming call.

Extension Exclusion with Line Shorting. Gives utmost privacy. Turning the button not only excludes extensions, but actually "shorts" the extension line, so it's impossible to tap it.

Type 85-B. Has two pushbuttons only. Wired for extension exclusion. To cut off all extensions, user presses exclusion button. To bring in extension party, he simply presses other button. When handset is replaced, exclusion button is automatically restored. (Note: only a "parent" phone can be equipped with extension exclusion.) Type 85-B can be wired, on the job, as follows:

2-Line Pick-Up (Switching Key Feature). By picking up handset, the subscriber has access to Line 1. To switch to Line 2, subscriber presses one of the buttons. Line 1 is automatically restored when handset is replaced.

Type 85-C. Has two pushbuttons and combined push-and-turn button. Wired for 2-line pickup and extension exclusion. Ideal for executives with two lines and extension on Line 1. Push-and-turn button gives access to both lines, enables user to signal his secretary with a light or buzzer. To cut off extensions on Line 1, he presses exclusion button.



How to Order and Price Type 85

By following the five steps below, you can quickly order any Type 85 telephone

	Description	Part No.	Price Each
Step 1 Choose phone	Type 85 w. coiled cord	NB-852	\$17.90 (Black) 20.40 (Color)
Step 2 Choose black or a color (matching line cord & coiled cord)	Black Sand Beige Dawn Gray Jade Green Turquoise Gardenia White	00 10 11 12 15 19	Price included in Step 1
Step 3 Choose dial	Dial with 1-0 Number Plate No dial (dial blank only)	A B	\$6.15 Price included in Step 1
	Dial with APC Number Plate Dial with SATT Party Identification (See Chart 1 on page 14 for ordering information)	C D-U	6.15 7.65
Step 4 Choose ringer	Straight-line, less adjustment wheel Straight-line, with adjustment wheel 16.6-cycle Harmonic 20-cycle Harmonic or Decimonic 25-cycle Harmonic 30-cycle Harmonic or Decimonic 33.3-cycle Harmonic 40-cycle Decimonic 42-cycle Harmonic 50-cycle Harmonic only 50-cycle Decimonic only 54-cycle Harmonic 60-cycle Decimonic 66-cycle Harmonic 66.6-cycle Harmonic	SL SA 16 20 25 30 33 40 42 50 51 54 60 66 67	\$5.95 6.20 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50 6.50
Step 5 Choose Type 85 key assembly	Type 85-A (Combined push-and-turn button) Type 85-B (Pushbuttons) Type 85-C (Combined push-and-turn button with pushbuttons)	1 2 3	\$3.00 2.00 5.00

Example

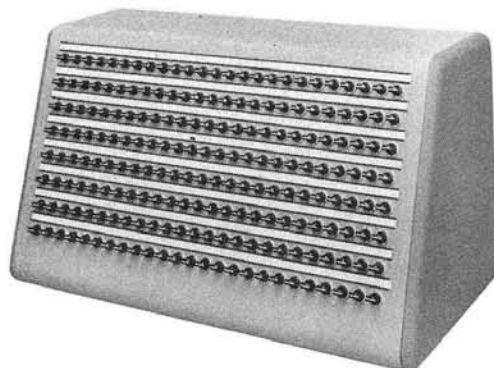
You order Type 85 in Sand Beige color, with ABC dial, straight-line ringer with adjustment wheel, and Type 85-C key assembly.

Your complete part number is: **NB-85210-CSA3**

Your total price is: **\$37.75**

Prices are subject to change without notice.

Message-Waiting Service



With Message-Waiting Service, a hotel or motel guest receives phone messages the moment he returns to his room. All calls are answered by the P-A-B-X or P-B-X attendant, who rings the guest's phone. If there is no answer, attendant takes the message and operates a push-and-turn key on the Message Service cabinet (above). This activates a flashing light on the guest's phone. When guest returns, this light is a signal to call the attendant for a message.

All control equipment is separate and wires easily into switching equipment. See kit below for converting phones to Message-Waiting Service operation.

Part No.	Description	Price Each
H-884077-2	Message-Waiting Service Cabinet (wired for 100 lines, equipped with 60 keys).....	\$245.00
H-884077-1	Message-Waiting Service Cabinet (wired for 200 lines, equipped with 140 keys).....	425.00
FD-1040-CL	Booster Power Supply.....	46.30
DH-75516-42A	Interrupter.....	70.00
H-56152-2	Wall-mounting Box for Interrupter.....	11.81
D-59311-AN	Turn Keys (for expanding Message-Waiting Service Cabinet).....	1.95



Conversion Kit for Message-Waiting Service

Converts types 80 and 182 phones to Message-Waiting Service operation. Kit includes drill template, lamp assembly, escutcheon ring, retaining clip, instructions.

Part No.	Description	Price Each
H-884686-1	Message-Waiting Service Conversion Kit (for Field Installation).....	\$1.00

NOTE: When ordering instruments for Message-Waiting Service, order Type 80 or 182 phone plus conversion kit.

Outdoor Telephone

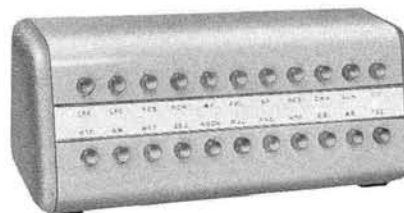


Regardless of how wet the weather is, this phone performs with indoor dependability. A must for cab stands, lumber yards, loading docks, etc. Locking door limits use—prevents abuse. Black "crackle" enamel finish on cast aluminum case.

Part No.	Description	Price Each
L-975-AO	Outdoor Telephone—Automatic, Straight-Line Ringer, Type 81 Hand-set and AE Dial. Condenser Is Provided for Metallic or Ground Ringing.....	\$95.00
L-975-BO	Outdoor Telephone—Manual, Convertible. Same as above (dial omitted)....	88.85

Type 11

P-A-B-X Executive Quick-Call Service



Executive Quick-Call Service gives the busy executive more direct control and speed in communicating through a P-A-B-X System. It eliminates dialing—connects the executive instantly to phones called most frequently.

With Executive Quick-Call, there are 20 direct lines to the people called most often. On these inside calls, just press a button—the called party's phone rings immediately. If the called party is using his phone, just push another button and he hears a tone in the background of his conversation. Hearing this, he can shorten his talk, press the cradle button, and be connected to your line. Optional feature: pushbutton that cuts in on the busy line.

For the convenience of hands-free operation, Quick-Call can be used with a Speakerphone. The Quick-Call unit measures 12¼" wide, 5½" deep, 5½" high. The terminal box mounts under the desk, or on a nearby wall. Relay equipment measures 18⅜" wide and 6½" high. Easily installed.

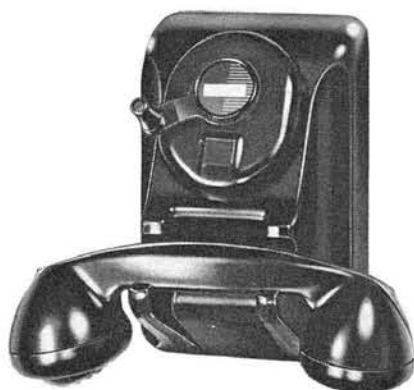
Part No.	Description	Price Each
H-883147-1	Type 11 Executive Quick-Call Unit, two tone gray, consisting of key cabinet, terminal box..	\$525.00
DH-83191-71M	Relay equipment	
D-910005-A	Plastic-covered cable, 32 conductors, to connect key cabinet to relay equipment.....	*28.80
H-882860-1	Wall mounting bracket for mounting relay equipment....	9.00
NB-88011-CSL	Type 880 Speakerphone, gray, with ABC number plate.....	163.05

*Per 100 feet.

Prices are subject to change without notice.

AUTOMATIC ELECTRIC

Type 900 Magneto Telephone



Wall View



Desk View

Meets every installation requirement. You can offer subscribers their choice of wall or desk installation, because one phone works either way.

Easy conversion to common-battery service makes this phone a particularly inviting investment. Simply remove the Alnico generator, add a dial blank and change a few wires. All other parts remain the same. If you convert to dial, simply add a dial to each phone.

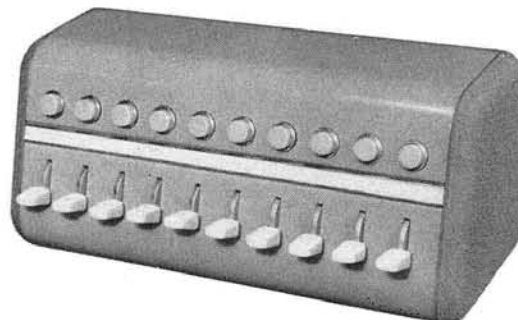
Part No.	Description	Ringer Ohm	Price Each
901-1000	Complete Magneto Telephone....	1000	\$32.05
901-1600	Complete Magneto Telephone....	1600	32.25
901-2500	Complete Magneto Telephone....	2500	32.55
911-1000	Complete Magneto Telephone with Hookswitch Latch*.....	1000	32.90
911-1600	Complete Magneto Telephone with Hookswitch Latch*.....	1600	33.10
911-2500	Complete Magneto Telephone with Hookswitch Latch*.....	2500	33.40

NOTE: All Type 900 magneto telephones are equipped with a "sure-ring" condenser.

*The hookswitch latch is for monitoring on party lines—conserving batteries.

Secretarial Answering Unit

With 6, 10 or 20-Line Capacity



10-Line Unit

Enables one secretary to answer calls for a group of executives—saves time, saves money.

Each line has a signal lamp and a simple three-position key. When a call comes in on one line, the corresponding lamp flashes. If executive answers, the lamp stops flashing. But if he is away from his desk, the secretary merely flips appropriate key to "answer" position and takes the message for him. By moving key to "hold" position, she can hold the call and answer other calls.

When Unit is associated with P-A-B-X, this "hold" position makes it easy to call a third party for information; the attendant simply flips the key of an idle line to "answer" position and dials the number. When information is obtained, she releases second line by restoring that key to normal position and picks up "held" line by moving its key to "answer".

One key line, with its "hold" feature, is usually reserved for the secretary's own use. If all keys are to be used by executives, however, the secretary can make or receive her own calls with a special, no-key, extra line. The ringer of her own phone provides the signal for calls on her own line. For this purpose, an instrument with a four-conductor cord is available. (Order NB-813-ASA below.)

In addition to the visual signal for each incoming call line, there is a common audible signal for all lines.

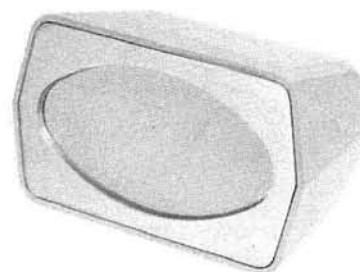
Part No.	Description	Price Each
H-884680-1	6-line unit, 2-tone gray, with Common Audible Signal.....	\$130.00
H-884681-1	10-line unit, 2-tone gray, with Common Audible Signal.....	190.00
H-884682-1	20-line unit, 2-tone gray, with Common Audible Signal.....	350.00

The following units are required to add Common Audible Signal feature to all previous Secretarial Answering Units:

H-882870-1	6-line unit.....	\$35.00
H-882870-2	10-line unit.....	45.00
H-882872-1	20-line unit.....	85.00
NB-813-ASA	Type 80 Telephone equipped with 4-conductor line cord for secretary's use where ringer in phone is to be used for one-line signaling.....	30.80

Prices are subject to change without notice.

Type 880 Speakerphone—Executive Model



Offers the convenience of hands-free telephoning. Type 880 looks like a Speakerphone—not like a desk phone with an attachment. Both telephone unit and loudspeaker are handsomely different in appearance. A new gain switching eliminates feedback, singing and other bothersome distortions. The “on-off” rocker switch, speaker volume control and microphone are all built in. Type 880 also has a pleasing tone signal which is heard through the speaker. Choice of six colors: beige, green, gray, white, turquoise or black.

To place a call, user simply presses the “on-off” switch to “on” position—and then dials the number. A signal light beneath “on” position is a reminder to turn unit off when the call is completed.

To answer a call, user switches Speakerphone on and talks. The built-in microphone picks up a normal voice from across the room and from any direction. There’s no need to raise the voice or shout. The “mike” is muted when speaker is operating—can’t pick up sounds from speaker. Speaker circuit is reduced to 20 db when “mike” is in use. To keep conversation private, simply lift handset—even during conversation—and turn off loudspeaker.

Type 880 is ideal for conference calls. A volume control wheel lets you boost speaker sound so that others in the room can hear. There’s no confusion, no repetition, no microphone to pass around.

Installation takes only minutes. That’s because you install Type 880 exactly like a regular phone.

How to Order and Price Type 880

Step 1	Description	Part No.	Price Each
Choose phone	Type 880 with coiled cord and tone signal*	NB-880	\$160.00 (Black) 163.05 (Color)
Step 2			
Choose black	Black.....	00	
or a color	Sand Beige.....	10	Price
	Dawn Gray.....	11	included in
	Jade Green.....	12	Step 1
	Turquoise.....	15	
	Gardenia White....	19	
Step 3			
Choose dial	Dial with 1-0 Number Plate.....	A	Price included in Step 1
	Dial with ABC Number Plate.....	C	Price included in Step 1
	Dial with SATT Party Identification..		
	(Order separately. See Chart 4 on Page 14.).....		\$1.50
Step 4	Ringer (Tone Signal)	SL	Included in Step 1

*If harmonic ringer is desired in place of tone signal, Type 33 Compact Ringer box must be provided. To order ringer, see Page 16. To order Ringer Box, see page 18.

Type 88-AT Conversion Set



Provides multi-line phones with loud-speaking arrangement. May be used with AE 10A or 10A1 Key Systems or with W.E. 1A or 1A1 Systems. Type 88-AT Conversion Set does not employ gain switching circuitry.

Part No	Description	Price Each
L-7034-AO	Conversion Set (Black).....	\$135.00
L-7034-BO	Conversion Set (Sand Beige).....	136.10
L-7034-CO	Conversion Set (Dawn Grey).....	136.10
L-7034-DO	Conversion Set (Jade Green).....	136.10
L-7034-GO	Conversion Set (Turquoise).....	136.10
L-7034-MO	Conversion Set (White).....	136.10

Prices are subject to change without notice.

AUTOMATIC ELECTRIC

Automatic Electric Dials



Type 52 Dial

This new dial has a one-piece extended number plate as an integral part of the dial assembly. This makes possible a telephone of exceptionally clean lines. On full color phones, Type 52 Dial features a fingerplate of clear Lucite that maintains overall color harmony.

Dials for Classic Ivory, Sunlight Yellow and Gardenia White phones are lettered and numbered in black. All other dials have white designations.

Part No.	Description	—PRICE EACH— Black Color	
D-84901-A	Type 52 Dial, Extended Number Plate—Metropolitan ("Letter-Number").....	\$6.40	\$6.60
D-84900-A	Type 52 Dial, Extended Number Plate—"1" to "0".....	6.40	6.60

NOTE: Black is supplied unless color is specified.

Dial Lubricants

Part No.	Description	Size Container Oz.	Price Each
H-78612-27	Standard Oil Lubricant. Do Not Use with Pres-to-Oiler.....	2	\$2.21
H-78612-44	For Very Low Temperatures (Down to -20°F). Do Not Use with Pres-to-Oiler.....	16	6.09

Type 51-A Dials

Used on telephones (Types 40, 43, 47, 50, etc.) that do not have extended number plates.

Part No.	Description	Price Each
D-84821-C	Type 51-A Dial—Metropolitan ("Letter-Number").....	\$6.15
D-84820-C	Type 51-A Dial—"1" to "0".....	6.15

Used on early Type 80 phones having separate extended number ring.

Part No.	Description	Price Each
D-84875-A	Type 51-A Dial—"Arrow" Plate. For Use on Early Type 80 Telephones, in Conjunction with Extended Number Rings D-530113-A or D-530138-A.....	\$6.15

For use on instruments exposed to excessive moisture and dust. Similar to dial D-84820-C ("1" to "0" number plate), but molded of black plastic. White enamel numerals.

Part No.	Description	Price Each
D-84839-C	"Splashproof" Dial.....	\$6.80

Used to prevent "broadcasting" dial impulses to a radio receiver, which may otherwise occur when a sensitive receiver is located near an open-wire telephone line. Similar to dial D-84820-C ("1" to "0" number plate), but equipped also with 0.1 mf. condenser and 2-winding radio-frequency choke coil—all mounted in dial base and wired to springs.

Part No.	Description	Price Each
D-84844-C	"Radio-Suppressor" Dial.....	\$7.75

Extended Number Rings

Use these rings with Type 51-A dial in Type 80 phone only. All other types use Type 52 dial only. Supplied in black.

Part No.	Description	Price Each
D-530113-A	Extended Number Ring—Metropolitan ("Letter-number").....	\$3.35
D-530138-A	Extended Number Ring—"1" to "0".....	.35

How to Order SATT Dials

Chart 1

To order SATT dials with telephones		
SATT System	Lobe Pos.	*Order Letter
SATT "B"	1	D
	2	E
	3	F
	4	G
	5	H
	6	J
	7	K
	8	L
	9	M
	0	N
SATT "A"	1	P
	1 & 2	R
	1, 2 & 3	S
	1 & 3	T
	3	U

Chart 2

To order SATT dials separately for all telephones except Types 182, 183 and 880				
SATT System	Color-Order Letter	Lobe Pos.	Order No.	
SATT "B"	Black-A Turq.-G	1	1	
	Beige-B Yellow-J	2	2	
	Grey-C Blue-K	3	3	
	Green-D Pink-L	4	4	
	Ivory-E White-M	5	5	
	Red-F	6	6	
		7	7	
		8	8	
		9	9	
		0	0	
SATT "A"	Black-A Turq.-G	1	1	
	Beige-B Yellow-J	1 & 2	2	
	Grey-C Blue-K	1, 2 & 3	3	
	Green-D Pink-L	1 & 3	4	
	Ivory-E White-M	3	5	
	Red-F			

Chart 3

To order SATT dials for Type 182 Telephone		
SATT System	Lobe Pos.	Order No.
SATT "B"	1	A1
	2	A2
	3	A3
	4	A4
	5	A5
	6	A6
	7	A7
	8	A8
	9	A9
	0	A0
SATT "A"	1	A1
	1 & 2	A2
	1, 2 & 3	A3
	1 & 3	A4
	3	A5

Chart 4

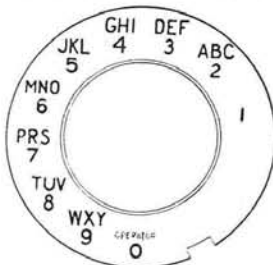
To order SATT dials for Types 183 and 880 Telephones		
SATT System	Lobe Pos.	Order No.
SATT "B"	1	E1
	2	E2
	3	E3
	4	E4
	5	E5
	6	E6
	7	E7
	8	E8
	9	E9
	0	E0
SATT "A"	1	E1
	1 & 2	E2
	1, 2 & 3	E3
	1 & 3	E4
	3	E5

*NOTE: Order letter should be placed in appropriate position in telephone ordering number.

Prices are subject to change without notice.

Dial Parts and Tools

Dial Number Plates



Part No.	Description	Price Each
D-53772-A	Metropolitan Plate. Red figures and black letters. . . .	\$.30 (1-99) .25 (100-over)
D-53146-A	Numbered "1" to "0" in black	.27 (1-99) .23 (100-over)
D-53211-A	"1" to "0" and "Operator". .	.30 (1-99) .25 (100-over)
D-530114-A	"Point-Marking" Dial Plate. White arrows on black. (For Type 51-A dials used with Extended Number Rings.)	.27 (1-99) .23 (100-over)

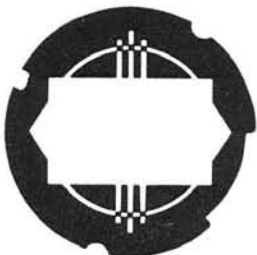
Dial Blanks



For manual, convertible phones. Furnished with number card, plastic cover and mounting parts.

Part No.	Description	Price Each
D-49807-A	For Types 40, 43, 47 and 83 telephones. Black plastic.	\$.70
D-49318-A	For Type 44 telephone. Black-japanned.64
D-49610-A	For Type 50 telephone. Black plastic.70
D-53627-A	Number card for dial blank. . .	.017
D-53094-A	Clear plastic cover for dial blank	.010
D-49995-AR	For Types 80, 85 and 90 telephones. (Uses dial number cards and cover shown below.)	.60 Black .75 Color

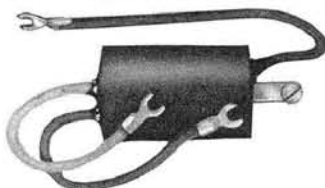
Dial Number Cards and Cover



Part No.	Description	Price Each
D-530155-A	Regular Dial Number Card. Four perforated dial cards on a "break-out" carrier card, 9 1/2" x 2". Black with white space for number.	\$.05
D-53309-B	Metal Dial Card.13
D-53176-A	Clear Plastic Cover.01
D-530156-A	Temporary Dial Card with "Remove When Notified" message to subscribers. Perforated. Four cards to a sheet. Black, with message and space for number in white.05

Part No.	Description	Price Each
D-530184-A	Regular Dial Number Card for color telephones. (Same as D-530155-A, except background is white—lines and escutcheon are in black.)	\$.05
D-530153-A	Temporary Dial Card Stickers (sheet of 12). Instructions "Disregard Letters—Dial Numbers Only." Printed in yellow.10
D-530154-A	Temporary Dial Card Stickers (sheet of 12). Same general format as D-530155-A, but perforated on a 5 3/4" x 4 5/16" sheet.10

"Radio-Suppressor" for Dials



Can be connected to any dial. Serves the same purpose as "Radio Suppressor" Dial, Part No. D-84844-C. It's only 1 1/4" x 3/4" x 5/16" in size and mounts within the telephone housing. Three connecting cords and screw terminal provided.

Part No.	Description	Price Each
H-46526-1	"Radio-Suppressor" for dials	\$3.49

Dial Tools



Part No.	Description	Price Each
H-26917	Tool for dial escutcheon lock.	\$.20
H-25937	End wrench for dial. For governor nut and large impulse cam nut.97
H-16480	Socket wrench for dial. For small impulse cam nut.	1.84
H-16290-7	Dial pliers. For adjusting dial springs and governor.	2.73

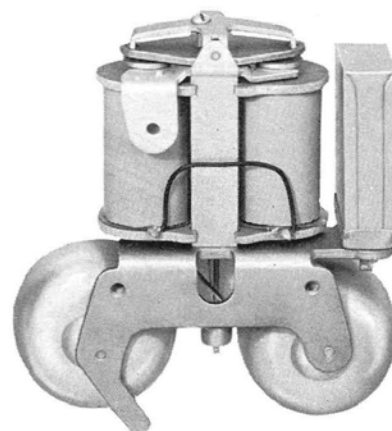
Prices are subject to change without notice.

High Impedance Ringers

Type 45 Ringer (D-56548) for Types 80, 80-T, 80-MST, 85, 90 Telephones, and for Type 33 Compact Ringer Box

To provide rapid delivery and to ease your inventory requirements, stock phones without ringers. You can order Type 45 Ringer separately from this page and combine it with any of the following phones: Type 80, 80-T, 80-MST, 85 and 90. Type 45 Ringer is also designed for use with the Type 33 Compact Ringer Box.

When ordering individual ringers, please use the piece number. Individual ringers are packed separately, with mounting parts and complete instructions for mounting and adjustment. Capacitor is included.



Part No.	Description	Price Each	Part No.	Description	Price Each
D-56548-ASLR	Straight-Line, less Adjustment Wheel.....	\$5.95	D-56548-A51R	50-Cycle Decimonic Only.....	\$6.50
D-56548-ASAR	Straight-Line with Adjustment Wheel (For Types 80 and 85 Only).....	6.20	D-56548-A54R	54-Cycle Harmonic.....	6.50
D-56548-A16R	16.6-Cycle Harmonic.....	6.50	D-56548-A60R	60-Cycle Decimonic.....	6.50
D-56548-A20R	20-Cycle Harmonic or Decimonic..	6.50	D-56548-A66R	66-Cycle Harmonic.....	6.50
D-56548-A25R	25-Cycle Harmonic.....	6.50	D-56548-A67R	66.6-Cycle Harmonic.....	6.50
D-56548-A30R	30-Cycle Harmonic or Decimonic..	6.50	D-56548-CVAR	Ringer with Vacuum Tube for Superimposed Ringing and Adjustment Wheel (Type 80 phone only).....	5.70
D-56548-A33R	33.3-Cycle Harmonic.....	6.50	D-56548-CVTR	Ringer with Vacuum Tube for Superimposed Ringing; less Adjustment Wheel.....	5.45
D-56548-A40R	40-Cycle Decimonic.....	6.50	D-52144A	Vacuum Tube.....	2.50
D-56548-A42R	42-Cycle Harmonic.....	6.50			
D-56548-A50R	50-Cycle Harmonic Only.....	6.50			

Type 45 Ringer (D-56516) for Types 40 and 50 Telephones

These high-impedance ringers are used for replacement purposes or for conversion from straight-line to harmonic ringing, or from one frequency to another.

Impedance of these ringers (160,000 ohms at 1000 cycles) improves transmission quality because the flow of inductive noises is retarded. It increases transmission volume because it reduces bridging loss caused by voice currents "sneaking" through the ringer coils.

Ringer frequency can be easily changed by substituting a different clapper weight and reed (and, in some cases, the associated ringing and talking condensers.) For quick, easy installation, all leads have spade tips. Ringers are complete; consist of armature and clapper, coils, gongs, brackets and magnets.

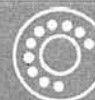
When ordering, state catalog number of desired ringer and specify type of phone or ringer box in which it will be used. If condenser and mounting parts are also desired, please specify.

Part No.	Frequency	Price Each	Part No.	Frequency	Price Each
D-56515-A	Straight-Line.....	\$4.95	D-56516-HR	42-cycle.....	\$5.50
D-56516-AR	16.6-cycle.....	5.50	D-56516-DR	50-cycle Harmonic.....	5.50
D-56516-FR	20-cycle.....	5.50	D-56516-NR	50-cycle Decimonic.....	5.50
D-56516-BR	25-cycle.....	5.50	D-56516-JR	54-cycle.....	5.50
D-56516-GR	30-cycle.....	5.50	D-56516-MR	60-cycle.....	5.50
D-56516-CR	33.3-cycle.....	5.50	D-56516-KR	66-cycle.....	5.50
D-56516-LR	40-cycle.....	5.50	D-56516-ER	66.6-cycle.....	5.50

A Conversion Kit is available which lets you use the Type 45 Ringer in the Compact Ringer Box. See ordering information at right.

Part No.	Description	Price
H-884381-1	Conversion Kit for mounting Type 45 Ringer (with small heel piece) in Type 33 Compact Ringer Box.....	\$.40

Prices are subject to change without notice.



Auxiliary Signals

Improves Service for Subscribers—Cuts Down Holding Time for You

Loud-Ringing Harmonic Bells



These high-impedance bells are equipped with 6-inch gongs. Ringer movement and condenser are mounted in a cast aluminum box; finished in black japan. Bells furnished with impregnated coils and PVC-covered wiring for outdoor installation.

Dimensions—8¾ inches high; 12¾ inches wide; 4½ inches deep.

Impedance: 160,000 ohms at 1000 cycles.

Part No.	Frequency	Condenser Capacitance Mf.	Price Each
D-56559-A16	16.6-cycle	.7	\$24.50
D-56559-A20	20-cycle	.7	24.50
D-56559-A25	25-cycle	.3	24.50
D-56559-A30	30-cycle	.2	24.50
D-56559-A33	33.3-cycle	.2	24.50
D-56559-A40	40-cycle	.2	24.50
D-56559-A42	42-cycle	.08	24.50
D-56559-A50	50-cycle Harmonic	.1	24.50
D-56559-A51	50-cycle Decimonic	.1	24.50
D-56559-A54	54-cycle	.1	24.50
D-56559-A60	60-cycle	.08	24.50
D-56559-A66	66-cycle	.08	24.50
D-56559-A67	66.6-cycle	.08	24.50
D-56559-ASL	Straight-Line	.4	22.50

New Neon Signal Lights



Neon lamp signals operate directly from the ringing current of the telephone (65 volts or more). No battery, transformer or relay control is needed. Neon tubes have no filament to burn out—rated life is about 3,000 hours.

Two and three-dome signals have octagonal, molded plastic bases. Mount on wall or desk.

2-Dome Signal Lights

Part No.	Description	Lgth. In.	Width In.	Ht. In.	Price Each
D-94043-E	Red & Green	3¾	2½	2½	\$4.70

3-Dome Signal Lights

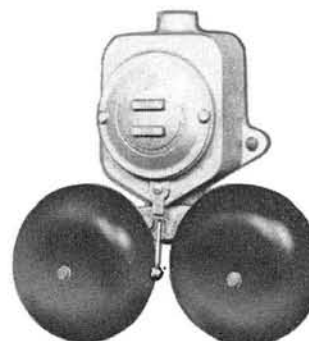
D-94044-E	White, Green & Red	5¾	2½	2½	\$5.45
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Single-Dome Signal Lights

D-94090-N	Red	2¾	2½	2½	\$3.40
D-94090-P	White	2¾	2½	2½	3.40
D-94090-R	Green	2¾	2½	2½	3.40

Prices are subject to change without notice.

Loud-Ringing Bells



Two-gong vibrating type; operate directly from straight-line ringing current.

Supplied with condenser for central-battery or magneto service; or without condenser for magneto service only.

Dimensions—1'3" wide, 1' high.

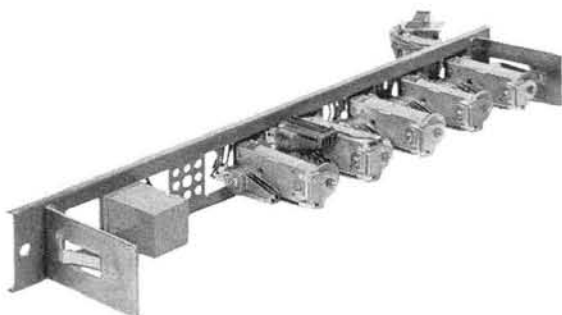
Part No.	Description	Price Each
D-56418-A	Weatherproof Bell—C. B. or Mag. Has 1600-Ohm Ringer Mechanism, 1 Mf. Condenser, Enclosed in Cast Aluminum Alloy Case; ¾" Conduit Connections.....	\$65.50
D-56405-E	Splashproof Bell—1600-Ohm, C. B. or Mag. Can Be Used Outdoors, if Protected. Cast-Iron Case, 1600-Ohm Ringer Mechanism, 1 Mf. Condenser (Not Shown).....	22.05
D-56405-D	Splashproof Bell—1600-Ohm—Mag. Like D-56405-E, but Has No Condenser (Not Shown)	20.05
D-56405-A	Splashproof Bell—1000-Ohm—Mag. Like D-56405-E, but Has 1000-Ohm Ringer, No Condenser (Not Shown) ..	19.90
D-56405-G	Splashproof Bell—2500-Ohm, C. B. or Mag. Like D-56405-E, but Has 2500-Ohm Ringer, and 0.7 Mf. Condenser (Not Shown).....	22.50
D-56405-F	Splashproof Bell—2500-Ohm—Mag. Like Above, but Has No Condenser (Not Shown)	20.50

Continuous Telephone Signaling Units

Consists of A-C relay, which operates on straight-line central-battery or magneto ringing current. It closes a local circuit to a signal which operates until relay is released. Relay contacts carry 5 amperes at 110V., A.C.

Part No.	Description	Price Each
3-HC	In Case for Indoor Installation.....	\$34.84
3-WC	In Case for Outdoor Installation.....	39.15

Subscriber Transfer Service



With Subscriber Transfer Service, your customer can switch his business calls to his home phone, or any other designated station. No calls go unanswered. It's a helpful service for physicians, dentists, etc., as well as business men who don't employ a secretary and are often away from their office.

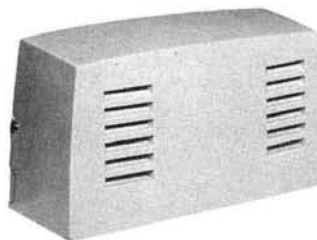
Subscriber Transfer Service connects the customer to a transfer unit located in the central office. To switch calls to his home phone or answering service, the subscriber simply turns a transfer key on either a Type 80 telephone (with turn key) or on a separate transfer switch key used with a standard phone. All incoming calls are then automatically routed to the home phone or answering service. When the transfer key is operated, ringers sound at both phones. This prevents loss of calls from failure to restore transfer key at the business office.

The transfer unit is self-contained and compact. It measures only 1' 5 $\frac{3}{4}$ " x 2 $\frac{1}{8}$ " and mounts on a convenient 19" relay rack. Switching equipment consists of five relays for each subscriber. Subscriber Transfer Service is for use in 48-volt automatic exchanges with or without SATT detection service. For service with 24-volt manual exchanges, see your AE representative.

Part No.	Description	Price Each
RG-5205-A	Subscriber Transfer Unit. For use in 48-volt automatic exchange. Dimensions: 1' 5 $\frac{3}{4}$ " x 2 $\frac{1}{8}$ " for 19" rack.....	\$60.00
NB-850-CSL*	Type 80 phone with turn key, coiled cord, ABC dial and straight line ringer (black only).....	30.55
MC-88003-A	Switching Key. 2-conductor—2-way. (See Page 19 for description).....	9.50
MC-8885-A	Switching Key. 2-conductor—3-way. (See Page 19 for description).....	10.35

*This phone can also be furnished with 1-0 dial, SATT dial, or blanked for dial, and with choice of ringer. To order, see Page 5, Steps 3 and 4.

Telechime

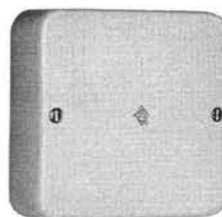


For use with compact phones, or as a replacement for existing ringers. Activated by an incoming call and sounds a pleasing double chime which is repeated as long as the call is unanswered.

Only two screws required to mount on wall, desk, or any vertical surface. Operates on straight line ringing. Terminal block is self-contained. Compact, plastic housing is tough, yet lightweight.

Cat. No.	Description	Price Each
S-9428	Telechime, less cover	\$11.65
S-9429	Cover, beige	1.85
S-9430	Cover, white	1.85

Type 33 Compact Ringer Box



Designed for use with the Starlite and Space-Maker phones.

5 $\frac{1}{4}$ " by 5 $\frac{1}{4}$ " x 2 $\frac{1}{8}$ " deep. Available in a full range of frequencies, both harmonic and decimonic. 11 colors or black. To order ringers, see page 16.

Part No.	Description	Price Each
L-1508-XXX	Ringer Box & cover only	\$1.00

(black or color)

Specify color by adding fourth suffix as follows:

Black.....	A	Turquoise.....	G
Sand Beige.....	B	Sunlight Yellow.....	J
Dawn Gray.....	C	Forget-Me-Not Blue.....	K
Jade Green.....	D	Camellia Pink.....	L
Classic Ivory.....	E	Gardenia White.....	M
Garnet Red.....	F	Blue-Beige.....	N

Telephone Connecting Blocks



Trim-lined connecting blocks with smooth cutouts for connecting cords and line wires. Opening in base allows line wires to be brought in directly under the block. One-piece, polypropylene construction does away with screw-type opening and closing. Pyramid shaped cover conceals its own latches, opens easily when center is pushed in. Choice of three or four points. Blue-beige color.

Part No.	Description	Price Each
D-150206-A	Type 13 (three points).....	\$.30
D-150207-A	Type 14 (four points).....	.35

Prices are subject to change without notice.

Type 840 Anti-Noise Handset



All sidetone is eliminated when the caller depresses the nonlocking "press-to-listen, release-to-talk" pushbutton, which places a short circuit across the transmitter. This allows the caller to listen without interference of noise passing from transmitter to receiver in his own handset. Releasing the transmitter cutout button removes the short-circuit and permits the transmitter to operate in a normal manner.

Part No.	Description	Price Each
L-9057-CA	Type 840 "Anti-Noise" Handset. Black only, with coiled cord. For use with Types 80, 182, 85, 87, 880 and 90 phones.....	\$16.90
L-9057-CB	Same as above, but for use with Type 183 phone only.....	16.90

Hand Test Telephone



Used for general supervisory purposes in automatic exchanges. Made of red Delrin plastic to resist breakage and minimize loss. Standard AE transmitter, receiver and dial. Three-position switch (talk-listen, loop testing at 1500 ohm, and monitoring). Please order telephone, suitable cord assembly and bracket separately.

Part No.	Description	Price Each
L-9066-CF	Type 800 Hand Test Telephone.....	\$25.00
D-543392-A	Cord & Test Plug Assembly (for use with standard & TWX circuits)....	4.75
D-543395-A	Cord & Alligator Clip Assembly.....	2.40
D-542349-A	Cord & Switchboard Plug Assembly..	3.90
D-780869-A	Frame mounting Bracket.....	.35



Operator's Transistorized Headset

For reception in places with high noise level.

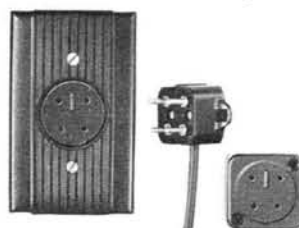
A small amplifier unit is housed in metal case on the plug at end of headset cord. This design avoids adding weight to the headset. Volume-control knob on front of case.

No alterations are needed to use headset; switchboard circuits are not disturbed in any way, for the single transistor obtains operating voltage from within the circuit. Amplifier starts when plugged into the position jack.

Part No.	Description	Price Each
SS-15135-1	Operator's Headset with Transistor Amplifier Unit.....	\$87.00
SS-15135-30	Transistor Amplifier Unit Only. For Attachment on W.E. 52-AW Headset.	60.00
L-7032-AO	Operator's Headset Only. Transmission Characteristics Like W.E. 52-AW Headset. Complete with Spade-Tip Cord.....	27.00

Prices are subject to change without notice.

Portable Telephone Plugs and Jacks



By offering portable phones equipped with plugs and wall jacks for installation at points where permanent phones would not be desirable, telephone companies secure increased revenue in clubs, hotels, residences, etc. Type 80 is perfectly adapted for this service.

Can be supplied for surface mounting, or with a flush plate for mounting in standard electric switch box (not furnished). Plug has convenient screw terminals for spade-type cord connections.

Jack, plug and flush plate regularly supplied in brown plastic; available in ivory, if specified.

Part No.	Description	Price Each 1 to 49	Price Each 50 & Over
D-42704-A (Brown)	Type 49 Jack & Flush Plate for mounting in standard switch box—4-conductor.....	\$1.70	\$1.57
D-42704-B (Ivory)			
D-42703-A (Brown)	Type 40 Jack for surface mounting—4-conductor.....	.92	.84
D-42703-B (Ivory)			
D-57154-A (Brown)	Type 28 Plug—4-conductor....	1.00	.93
D-57154-B (Ivory)			

Telephone Switching Keys



Used for switching one phone to two or three different lines, connecting a number of phones to one line, etc. Locking-type lever key is assembled on steel base and protected by a pressed steel cover.

Mounts easily on side of desk or table.

Dimensions: 5 $\frac{3}{4}$ inches long (including key handle); 3 $\frac{3}{8}$ inches wide; 1 $\frac{1}{2}$ inches high. Finished in black japan.

Part No.	Description	Price Each
MC-88003-A	Switching Key—2-Conductor, 2-Way.....	\$9.50
MC-8885-A	Switching Key—2-Conductor, 3-Way.....	10.35

AUTOMATIC ELECTRIC

Model LP-TD Electronic Secretary® Automatic Telephone Answering and Recording Set



The Model LP-TD is used in conjunction with regular business or home telephones. The user can now have the convenience of a professional private secretary . . . automatically—to take phone messages in his absence. (NOTE: Model LP-TD is a transistorized all-tape set which replaces the previous Model DCR-1 Record-Wire combination machine).

When it is necessary to leave a phone unattended, the Electronic Secretary telephone answering and recording set automatically answers the phone with a message pre-recorded by the subscriber. The recorded message, which can be changed at any time, asks the caller to leave a message. The incoming message is recorded on tape. When the user returns, all messages can be played back by simple operation of push-buttons. No interference with normal telephone operations. The Model LP-TD incorporates all of the features desired for convenience, dependability and ease of operation.

Assurance tone—If caller pauses for 4 seconds he hears a low tone which informs him that he is still being recorded.

Time out feature—Should caller remain silent for as long as 12 seconds, he will automatically be disconnected.

Voice control—(This was a separate attachment on the DCR-1 model). This built-in feature allows the answering and recording machine to accept calls up to two full hours, or any shorter time, depending on the type of information being called in.

End of capacity—If, by chance, the two hours of tape have been used up, the machine transmits a high tone for 12 seconds, after which it automatically turns itself off.

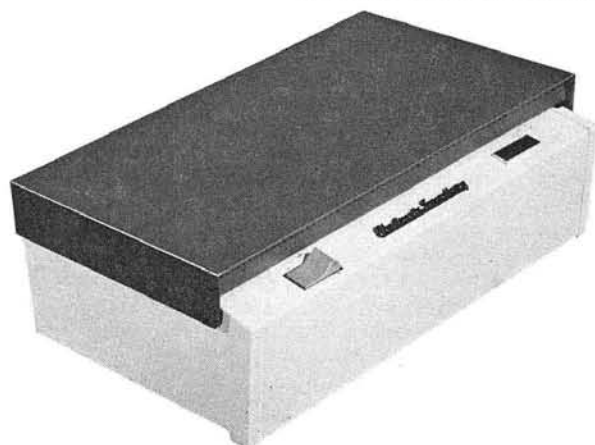
Headphone connection . . . for privacy when playing back recorded messages.

Foot control connection . . . enables transcriber to Start, Stop, Rewind, and Back-Space with foot, leaving hands free. (Back-Space optional). Contact representative for information on foot-control unit.

"Erase" in re-wind . . . a pushbutton will erase all recorded messages at user's option.

Automatic "stop" switch . . . guards tape from traveling off reels in both forward and re-wind settings.

Model	Description	A.C. Voltage	Size Inches	Wt. Lbs.	Price Each
LP-TD	Electronic Secretary with Assurance Tone (Described Above).....	115	11x21½x19	65	\$550.00



Model AO-3 Electronic Secretary® Automatic Telephone Answering Set

Designed to automatically answer your telephone with a recorded message that can be changed as frequently as desired.

Offers you the mechanical facilities to record various types of messages. A provided microphone permits you to record your message on a small tape cartridge. A new message can be recorded as often as you wish as old messages are automatically erased. Has no provision for taking incoming messages.

Model	Description	Price Each
AO-3	Electronic Secretary.....	\$275.00

Prices are subject to change without notice.

Model SP-2 Electronic Secretary® Low-Cost Telephone Answering and Recording Set



The Model SP-2 automatic telephone answering and recording set is a low cost, dependable unit designed specifically for home or small business use.

Both the outgoing and the incoming messages are recorded on tape making it possible for the subscriber to change his message at any time. As many as 12 fifteen-second incoming calls may be recorded.

Features simple operation, low maintenance, dependability, and most of all, convenience. Other features:

Beep tone . . . to indicate start and end of incoming recording time.

Electric channel selector . . . for playback.

Automatically disabled . . . after 12th call.

Model	Description	A.C. Voltage	Size Inches	Wt. Lbs.	Price Each
SP-2	Electronic Secretary	115	13x12x7	25	\$220.00

Model FP Electronic Secretary® Automatic Telephone Answering & Recording Set



A telephone answering and message taking machine in the medium price range. Perfect for a business with heavy telephone traffic of average message length. Capable of recording one hour of incoming messages. The subscriber records his announcement message and allots the calling party a specific interval in which to record his message. The standard announcement cartridge supplied allows for a 20 second announcement message and a 30 second incoming message. These time intervals can be shortened or lengthened (total cycle time not to exceed 3 minutes) by simply replacing the announcement cartridge. Special cartridges furnished upon request.

Order No.	Color	AC Voltage	Size Inches	Wt. Lbs.	Price-Each
FP	Beige	115 Volts	11x21½x19"	65	\$425.00

Accessories—Foot Switch, Foot Switch w/backspace feature, Headset

Prices are subject to change without notice.

Model INT-2A Intercept Recorders



A rack-mounted, completely transistorized magnetic recorder which can be adapted to a variety of intercept applications.

A microphone is provided so that the message on the twelve-second tape loop may be changed whenever desired.

In its basic form, power available at the output of the unit will be ample for 5 trunks. This can be modified so that more lines can be handled if necessary.

Model	Price Each
INT-2A	\$250.00

Foot Controls (For use with LP-TD and FP models)



The foot control adapter used in conjunction with the automatic telephone answering and recording set was designed to facilitate transcribing the recorded messages from the tape recorder.

The foot control enables the transcriber to "stop," "start," "re-wind" and "back space" the tape recorder with the foot, leaving the hands free for typing.

Order No.	Description	Price
15-749	Foot Switch Only for LP-TD units below serial #56099.	\$12.00
15-759	Foot Switch Only for LP-TD, FP and MR units.	12.00
15-750	Foot Switch with Backspacer for LPTD units below serial #56099.	32.00
15-758	Foot Switch with Backspacer for LPTD, FP and MR units.	32.00

Monitor Recorders Model MR-2



The MR-2 is a specialized type of tape recorder designed primarily for the telephone industry to be used in any application where the monitoring of telephone calls is desired.

The unit is provided with:

A supervisory and ringing circuit which will automatically start the tape recorder and keep it running whenever the local telephone line is loaded.

A beep tone which will transmit to the telephone line every 15 seconds.

A ceramic microphone for making manual recordings.

Model	Price Each
MR-2	\$260.00

Teletrainers



An electronic device for training students or subscribers in the proper use of the telephone. Useful for demonstrations when converting to dial. Provides a means for communicating between two dial telephones for individually ringing either phone, and for introducing dial tone and busy tone into telephones. A loudspeaker permits others to hear conversations.

Also demonstrates special purpose telephones and Electronic Secretary answering equipment.

Description	Price Each
Teletrainer.....	\$185.00
Carrying Case.....	12.00

Model 15-731 Test Tone and Continuity Testers



Rugged line checker for tone and d.c. continuity tests, tracing dead drops, blocks, and for key system wiring. Features slip-out type all-metal container for durability, printed circuitry for low maintenance and alligator clips for best conductivity.

Shipped complete with 4½-volt "A" battery.

Model	Description	Price Each
15-731	Tester.....	\$15.00
43-2944	Canvas Bag.....	3.00

Model W-30 Electronic Sentry® Automatic Warning Devices

Model W-30 Electronic Sentry automatic warning unit notifies by telephone a responsible person whenever a hazardous condition arises such as fire, loss of pressure, water levels, temperature, theft, or malfunctioning of machinery.

The W-30 is connected to the telephone line and a primary detecting device is connected to the W-30. The detector may be a thermostat, pressure control, water level indicator, photocell or any control capable of closing a switching circuit. Detecting device not furnished by manufacturer.

When the detection device activates the Electronic Sentry warning device, a predetermined telephone number is dialed and the warning message is repeated several times. The warning message is cut into a regular 6-inch phonograph record. At the end of the first call the W-30 disconnects itself from the telephone line, but it will dial the number again and again until the unit is disabled or the reported condition is corrected.



Model	Description	A.C. Voltage	Size Inches	Wt. Lbs.	Price Each
W-30	Electronic Sentry	115	8x8¼x11¼	18	\$250.00

Electrowriter® Systems

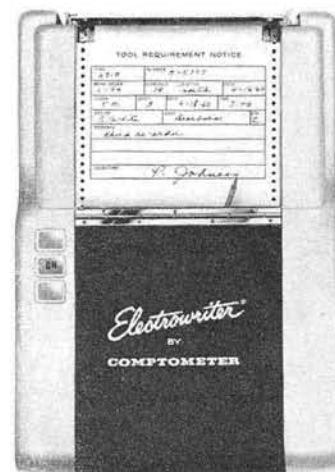


Electrowriter Transmitter

Permit customers to "write" a phone call.

Electrowriter systems combine the speed of telephoning with the accuracy of a written message. Transmitter sends messages over telephone lines to any desired number of receivers . . . at any distance. When used with a telephone and Subset 60 unit, Electrowriter provides alternating voice-write service.

Units are self-contained, fully transistorized. No special power supply,



Electrowriter Receiver

Part No.	Description	Price Each
88T/008	Transmitter w/ mercury pen	\$708.00
88R/007	Receiver	723.00
1007	Alternate send-receive, voice-write network.	52.60
SS60	Subset 60 (required for 1007 network).	72.00
1771-312	Receiver ink (4-oz. bottle).	1.60
1734-801	Transmitter ink cartridge	1.60

NOTE: Specify friction or sprocket paper feed for receiver. Sprocket feed required when printed forms are used.

Prices subject to change without notice.

Revenue-Building AE Paystations



Self-Contained "80" Series

The "80" series paystations include assemblies to meet every requirement of central-battery service with high fidelity telephone circuits and loop compensating networks.

Regularly equipped with complete telephone transmission equipment, including handsets and dials as specified, but without ringers. Also, regularly equipped with an anti-slug protection feature. If you wish to permit incoming calls, "80" series paystations can be used with ringer boxes.

The "80" series paystations offer all the features, including the same colors, of our Type 80 telephone. To order, see opposite page.

Local Prepay

Combines the advantages of prepay service on local calls and postpay service on toll calls. Central office equipment is simpler and less costly than required for regular prepay paystations. Can be used with any automatic exchange which provides reverse battery for collecting initial deposit when called party answers. Requires only 60-volt booster battery for refund.

Type	Description
LPB-89	AE Circuit Components
LPB-89-55	Like Above, but for 10-Cent Service

Prepay—Manual or Automatic

Provide prepay service with automatic or manual central offices which have 110-volt facilities to operate coin-control. Coins are deposited before connection is made and can be refunded if call is not completed.

Type	Description
LPB-82	AE Circuit Components*
LPB-82-55	Like Above, but for 10-Cent Service (Dial Only)

*Dial supplied unless manual is specified.

Semi-Postpay (Reverse-Battery)

Permit collection of charges for local paystation service without the aid of an operator. Can be used in any automatic exchange which provides for reversal of transmission battery when the called party answers. Does not provide for ready conversion to prepay operation.

Type	Description
LPB-86	AE Circuit Components
LPB-86-10	Like Above, but for 10-Cent Service

Postpay Manual (Convertible to Prepay)

No control equipment required at central office. Used in manual exchanges where operator supervises coin deposits. Can be used in automatic exchanges only if free local service is provided. By adding a coin-control relay and hopper assembly, the paystation can be converted to prepay manual and then to prepay dial service if desired.

Type	Description
LPB-84	AE Circuit Components

Postpay Manual (Convertible to Semi-Postpay)

Operation is the same as for Type 84 above, except convertible to semi-postpay service instead of prepay.

Type	Description
LPB-88	AE Circuit Components

How to Order and Price "80" Series Paystations

To quickly find the correct part number and total price for any "80" series paystation, follow the six steps outlined on this page.

Example

Step 1. Let's suppose you choose a Prepay type of paystation in Column 1. Your part number in Column 2 is LP-82. Your basic price in Column 3 is \$126.25.

Step 2. You choose 10¢ service (two nickels or dime). Your part number is 55. Your price is \$17.50.

Step 3. You choose full color Sunlight Yellow. Your part number is 17. Your price is \$6.20.

Step 4. You choose Metropolitan (ABC) dial. Your part number is C. Your price is \$7.80.

Step 5. You choose anti-stuffing device and card holder. Your part number for both is 2. Your price is \$3.50.

Step 6. You choose 6001-B receptacle. Your part number is 1. Your price is \$6.10.

Your complete part number
LP-82/55/17/C/2/1

Your total price
\$126.25
17.50
6.20
7.80
3.50
6.10
\$167.35

NOTE: Paystations or 10-cent service may be specially arranged for temporary 5-cent service, if 10-cent service is expected in the near future. This eliminates the necessity for converting to 10-cent service. Merely specify on your order.

	Column 1	Column 2	Column 3
	Description	Part No.	Price Each
Step 1 Decide on type of paystation operation. (Note: handset with coiled cord is standard on all paystations.)	Prepay..... Postpay (Convertible to Prepay)..... Semi-Postpay..... Postpay (Convertible to Semi-Postpay).... *Local Prepay.....	LP-82 LP-84 LP-86 LP-88 LP-89	\$126.25 110.15 143.95 114.75 146.00
Step 2 Decide on 5¢ or 10¢ service. (Note: 10¢ service available only with automatic (dial) types of paystations.)	5¢ Only Service..... 10¢ Service (2 Nickels or Dime)..... 10¢ Service (Dime Only).....	COINAGE U.S. Canadian 00 20 55 75 10 30	Standard \$17.50 14.00
Step 3 Color Choice. (Black will be sent unless otherwise specified.)	Black..... Sand Beige..... Dawn Grey..... Jade Green..... Classic Ivory..... Garnet Red..... Turquoise..... Sunlight Yellow..... Camellia Pink..... Gardenia White..... Forget-Me-Not Blue.....	00 10 11 12 13 14 15 17 18 19 30	Standard \$6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20 6.20
Step 4 Select with dial or without dial (blanked for dial). Note: This selection is only for the prepay 5¢ service type of paystation since the postpay-manual sets are standard without dial. Prepay 10¢ service and all semi-postpay types are standard with dial.	Dial with 1-0 Number Plate..... No Dial (Blanked for Dial)..... Metropolitan (ABC) Dial.....	A B C	\$7.80 Standard 7.80
Step 5 Decide on anti-stuffing device, oversize directional card holder, or both.	None of These Features Required..... Anti-Stuffing Device Only..... Anti-Stuffing Device and Card Holder.... Card Holder Only.....	0 1 2 3	Standard \$2.00 3.50 1.50
Step 6 Decide on type of coin receptacle.	None of These Features Required..... With 6001-B Receptacle..... With 2A Receptacle.....	0 1 2	Standard \$6.10 1.60

*When ordering Local prepay paystations, a special Ringer Box (L-1506-CSL) is required. If you want the Ringer Box in black, add \$15.55 to your total price; if you want the Ringer Box in color, specify the particular color and add \$16.20 to your total price. Also, Local Prepay paystations require special treatment for trunk circuits used for connecting to the master office. Consult with your AE representative before ordering.

Prices are subject to change without notice.

Paystation Conversion Kits and Accessories

Anti-Stuffing Coin Return Kit



With AE's Anti-Stuffing Coin Return, your customers get their coins back—and you avoid complaints. When Coin Return is closed, nothing can be inserted. When opened to remove refunded coins, access to chute is blocked.

All AE "80" series paystations come complete with Anti-Stuffing Coin Return, when specified. Or you can exchange your present lower-housing assembly for a factory-converted housing.

A special kit is available to companies for installing the Anti-Stuffing Coin Return on existing paystations. Kit includes Anti-Stuffing Coin Return, modified refund chute, coil spring, hinge pin and a return escutcheon. A special drill jig is required to properly locate the hinge pin hole.

Part No.	Description	Price Each
P-70293	Anti-Stuffing Coin Return Kit.....	\$4.75
P-70294	Anti-Stuffing Coin Return Drill Jig (Available on a Rental Basis—check with your AE representative.).....	150.00

Slug-Proof Paystation Kits

This kit enables you to provide existing paystations with an anti-slug protection feature (standard equipment on all AE paystations).

When a person placing a call attempts to "pass a slug" down the 25¢ chute, a magnet literally pulls the slug (if it is magnetic) away from the 25¢ cathedral gong before it strikes and registers payment. This prevents transmission of a tone signal to the operator.

Kit includes magnet and necessary 25¢ channel with slot for putting in magnet.

Part No.	Description	Price Each
P-70298-1	Slug-Proof Paystation Kit for U.S.....	\$1.65
P-70298-2	Slug-Proof Paystation Kit for Canada...	1.65

Kits for 5c to 10c Conversion

Kits are available to convert more than 20 types of paystations with maximum ease and minimum out-of-use time. Each kit includes a circuit diagram with full instructions. When kit includes a new coin chute to convert a prepay paystation, allowance will be made for return of old chute.

We recommend that you maintain a stock of converted upper housing assemblies. These quickly replace unconverted housings in the field.

To order kits, specify quantity and exact code number of each paystation you wish to convert.

Type 2A Coin Receptacle

Non-locking. For collecting coins in standard AE paystations. About \$30.00 capacity.

Part No.	Description	Price Each
P-60152	Type 2A Coin Receptacle.....	\$1.60

Type 6001B Self-Locking Coin Receptacle

Saves collector's time and handling of money. Equipped with shutter over coin opening which admits coins as receptacle is inserted, but closes and locks as receptacle is withdrawn. Collector does not see or handle any money. Receptacle is opened at office by breaking lead seal. About \$30.00 capacity. Includes receptacle, cover and rail.

When ordering extra self-locking receptacles, please specify "without rails."

Part No.	Description	Price Each
P-70251	Type 6001B Self-Locking Coin Receptacle..	\$6.10

Type 1-BA Over-Sized Card Holder

Over-sized card holder for supplementary information and instructions for the subscriber. Furnished with mounting material.

Part No.	Description	Price Each
P-60574-A	Type 1-BA Over-Sized Card Holder. . .	\$1.50

Receptacle Carrying Cases

This handy collector's case holds 9 self-locking coin receptacles. Sturdy fibre material and equipped with a hasp so it may be sealed for shipment. Supplied with "snap-on" handle, if ordered.

Cat. No.	Type	Description	Wt. Lbs.	Price Each
S-5651	P51513	Carrying Case less handle...	7½	\$16.25
S-5652	P51514	Handle Snap-On.....	½	1.50

Corner Brackets

Bracket for mounting all paystations (except attachment and compact types) in corner of telephone booth or other confined space. Cast iron, finished in black japan. Provision is made for line wires. Shipping weight, 18 lbs.

Part No.	Type	Wt. Lbs.	Price Each
S-9313	153A	18	\$6.25

Shelf Brackets

For mounting all paystations (except attachment and compact types) on a horizontal surface such as a shelf or counter. Attractively designed and finished in black japan to match the paystation. An opening is provided for line wires. Shipping weight, 15 lbs.

Part No.	Type	Wt. Lbs.	Price Each
S-9314	139A	15	\$6.80

Lead Seals

Package of 100. For self-locking coin receptacles.

Cat. No.	Type	Wt., Lbs. per 100	Price per 1000
S-5648	P50197	¾	\$6.00

Wood Backboards

For mounting paystation and ringer box.

Cat. No.	Type	Wt. Lbs.	Price Each
S-5650	P51351	2¾	\$4.80

Sealing Tools

For self-locking coin receptacles where lead seals are used. Can be supplied engraved with company designation when specified.

Cat. No.	Type	Wt. Lbs.	Price Each
S-5649	P50649	¾	\$7.50

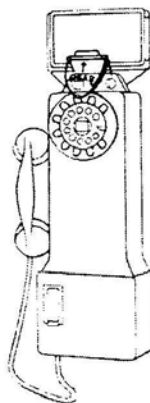
Popper Coin Gage Guards

For the Coin

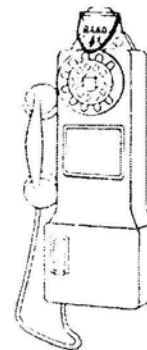
Collector Telephone

Prevents insertion of coin before following special instructions.

Mounts on top of phone box in existing holes. Plastic "Read" sign hinges on black enamel finish metal.



No. S-9794



No. S-9792

Cat. No.	Type	Style No.	Description	Wt. Ozs.	Price Each
S-9794	5000-G1	L-1	Arrow Up...	5	\$1.45
S-9792	5000-G1	L-2	Arrow Down..	5	1.45

Popper Hanging Style Book Holders



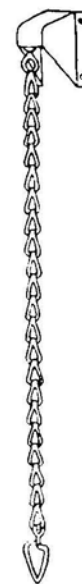
No. S-9795



No. S-9796



No. S-9797



No. S-9798

Chain made of brass. Swivels avoid chain entanglement. Mounting screws included. Bronze-style plated finish protected with clear lacquer.

Cat. No.	Type	Description	Price Each
S-9795	3000-W5	With Rubber Guard Swivel & Clevis for Light Books with Punched Hole.....	\$1.45
S-9796	3000-W1	With Swivel for Special Mounting Binders, Etc.....	.80
S-9797	3000-Z	Slide Type.....	.80
S-9798	3000-W14	With Swivel for Special Mounting Binders, Etc. and Formed Bracket with Built-In Shock Absorber.....	1.61

Gladwin Tri-Directional Lighted Paystation Signs



An illuminated plastic sign brightly visible day or night, from three directions. Suitable for any location—indoors or out. Copy is on the inside to protect from weather and physical damage.

When ordering, specify color of emblem; blue, green or red. Order mounting brackets separately as needed.

Part No.	Description	Wt. Lbs.	Price Each
GP-1149	Telephone Receiver Emblem, 11x11-In. Sign.....	4 1/2	\$22.50
GP-1150	Telephone Receiver Emblem, 18x18-In. Sign.....	11 1/2	29.75

Mounting Devices

		Wt. Lbs.	Price Each
TW-1	For Wall Mounting 11x11-In. Sign.....	1 1/4	\$3.50
TW-2	For Wall Mounting 18x18-In. Sign.....	1 1/2	4.25
TIB-1	For Mounting 11x11-In. Sign on Indoor Booth.....	6 3/4	5.00
TIB-2	For Mounting 18x18-In. Sign on Indoor Booth.....	6 3/4	5.75
TAB-1	For Mounting 11x11-In. Sign on Aluminum Booth.....	6 3/4	7.75
TAB-2	For Mounting 18x18-In. Sign on Aluminum Booth.....	6 3/4	8.50

F.O.B. Atlanta, Georgia

Highway Telephone Signs



This 3-in-1 highway sign gives the exact distance to a public telephone. The word, "Telephone Ahead" is printed with white "Codic" lettering on blue baked enamel with blue back coat. A choice of three insert panels, "1/2 Mile," "1 Mile," "2 Miles," can be placed in the space provided. Sign and insert panels reflect light.

Sign is single-face made of 20-gage steel, 18 x 24 inches and fits in extruded aluminum frame, equipped with 18-inch step bracket.

Panels are single-face 20-gage steel with white "Codic" lettering on blue baked enamel with blue back coat size 5 x 8 1/2 inches.

Standard package, 5.

Cat. No.	Description	Wt. Lbs.	Price Each
S-9524	Telephone Ahead Sign.....	9	\$8.95
S-9525	Panel 1/2 Mile.....	1 1/2	.95
S-9526	Panel 1 Mile.....	1 1/2	.95
S-9527	Panel 2 Miles.....	1 1/2	.95

F.O.B. Kansas City, Mo.

Telephone Office Signs



A standout sign that can't be missed. Enameled blue on sheet metal with large white easily visible lettering. Reads from either side. Complete with mounting bracket and S-hooks as illustrated.

Cat. No.	Dimensions Inches	Wt. Lbs.	Price Each
S-6855	16 x 20	10	\$10.95

Ad-Pact Illuminated Signs



Large white letters against a solid blue background (four square feet of sign surface on each side) are highly visible by day, brilliantly illuminated at night.

Ad-Pact Signs are built for the outdoors, sheathed in aluminum, faced on both sides with shatter-proof Plexiglas. Lettering and background are on the inside, will withstand extreme heat and cold. Will not fade, chip or peel.

Heavy gage galvanized brackets, welded to a reinforced frame permits solid mounting by clamp to standard utility service entrance mast or adjustable lag-screw mounting to wooden pole or adjacent building.

Height, 2 feet; width, 2 feet; depth, 5 1/2 inches.

Cat. No.	Description	Wt. Lbs.	Price Each
S-6792	Incandescent Sign, with Flashers.....	25	\$53.80
S-6793	Incandescent Sign, without Flashers.....	25	47.80

Fluorescent Sign Also Available

Standard Metal Paystation Signs



Double faced sign for use wherever paystations are installed.

Made of porcelain enamel on 16-gage steel plate.

Colors, white and blue. Signs are packed 2 in a carton.

Cat. No.	Description	Size Square In.	Mtg. Flg. In.	Wt. Lbs.	Price Each
S-6853	Standard	11	1 1/2	2 3/4	\$1.95
S-6866	Highway	18	2	3 3/4	4.75

Prices are subject to change without notice.

Service Entrance Masts For Outdoor Paystation Booths



TBM Service Entrance Mast provides complete service entrance facilities for outdoor paystation booths at lower cost and easier installation. Raises power lines for specified ground clearance; looks better, lasts longer; costs less than any comparable installation.

These masts are portable and can be re-used at new locations.

Here's all you need to install the TBM Service Mast:

1. Drive ground sleeve with ordinary sledge hammer.
2. Insert assembled mast in ground sleeve.
3. Connect service fittings to booth.
4. Connect service lines.

That's all there is to it. Actual installations show jobs can be completed in less than 30 minutes.

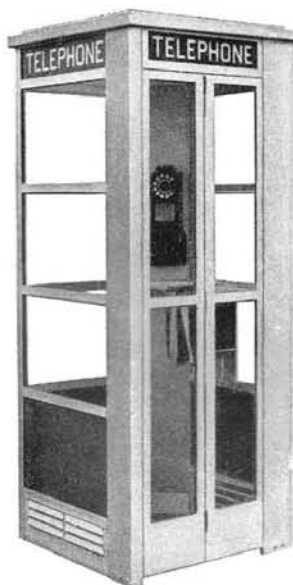
Mast is furnished with all insulators, wire holders, entrance devices included.

Finished in gray, in sizes 12, 14, 16 and 18 feet.

Cat. No.	Type	Description	Wt. Lbs.	Price Each
S-5303	TBM 12	12-Foot Mast with 2 Conduits.....	70	\$44.90
S-5305	TBM 12S	12-Foot Mast with Meter Socket & Breaker Box.....	80	71.95
S-5307	TBM 12SL	12-Foot Mast with Meter Socket, Breaker Box, 2 Flood Lights and Time Switch.....	90	94.00
S-5304	TBM 14	14-Foot Mast with 2 Conduits.....	70	46.90
S-5306	TBM 14S	14-Foot Mast with Meter Socket and Breaker Box.....	80	74.00
S-5308	TBM 14SL	14-Foot Mast with Meter Socket, Breaker Box, 2 Flood Lights and Time Switch.....	90	97.00
S-5321	TBM 16	16-Foot Mast with 2 Conduits.....	80	49.60
S-5315	TBM 16S	16-Foot Mast with Meter Socket and Breaker Box.....	85	78.25
S-5322	TBM 16SL	16-Foot Mast with Meter Socket, Breaker Box, 2 Flood Lights and Time Switch.....	90	99.80
S-5323	TBM 18	18-Foot Mast with 2 Conduits.....	80	52.30
S-5325	TBM 18S	18-Foot Mast with Meter Socket and Breaker Box.....	90	81.50
S-5316	TBM 18SL	18-Foot Mast with Meter Socket Breaker Box, 2 Flood Lights and Time Switch.....	100	104.00

F. O. B. Racine, Wisconsin

Aluminum Outdoor Booths



Roomy, colorful, well-ventilated and well-illuminated. Insures low maintenance—special finish resists staining or discoloring. Never needs rust removal or repainting. All panels and safety glass interchangeable. Door closer and shelf—with or without racks.

Red is the standard color. Furnished completely assembled. 33½" wide, 33½" deep, 86½" high.

Part No.	Description
S-2994	Aluminum Outdoor Telephone Booth with continuous shelf, completely assembled with glass panels, signs and lights.

Prices F.O.B. shipping points shown below

Genoa, Ill.	Los Angeles, Calif.	Richmond, Virginia
\$340.42	\$359.72	\$347.33
	Tampa, Florida	Dallas, Texas
	\$351.99	\$350.81

Prices are subject to change without notice.

AUTOMATIC ELECTRIC

Railroad Telephones

Type 80 Telephone



For use on desks in the yard or shop offices, in railroad business cars, and in pumping or compressor stations. Molded black plastic housing is rugged, yet lightweight. Non-skid rubber feet keep phone from slipping. Repairs are rarely needed—and are quickly and easily made. Maintenance cost is at a minimum.

Part No.	Description	Price Each
L-8009-B2	Type 80 Desk phone, with high-impedance ringer	\$26.55
L-8009-B3	Type 80 Desk phone, less ringer, with Waystation Filter	48.85

Type 183 Telephone



Compact Space-Maker® model—ideal for use on dispatcher's circuits. Handset cradle swings a full 180°, locks in any one of seven different positions for maximum convenience. Mounts easily on edge of desk, on a wall, post or column. Angle mounting bracket included for use, if needed. Measures only 5½" high, 3½" deep and 6" wide overall. Handset is only 8½" long. For connection to dispatcher's line, order phone only. For message circuits, order both phone and ringer box.

Part No.	Description	Price Each
L-8308-B2	Type 183 phone (local battery telephone)	\$23.55
L-1508-XXXXA	Type 33 Compact Ringer Box	1.00
D-56566-B	Straight-line ringer	5.95

Type 60 Telephone



Install this phone in siding booths out on the line. Built to give lasting service despite rough treatment. Die-formed metal housing protects internal parts. Sturdy cradle hook holds the handset securely in place. Type 60 incorporates a small, powerful generator. Designed for wall mounting, so it requires little space. Type 60 is 9¾" high, 11½" wide and 5" deep.

Part No.	Description	Price Each
L-658-B2	Type 60 phone, with high-impedance ringer	\$45.50
L-658-B3	Type 60 phone, less ringer, with Waystation Filter	67.00

Prices subject to change without notice.

Self-Contained Booth Telephone



Completely self-contained phone for use in wayside booths. Ready to mount as a single unit. Consists of Type 60 phone (shown on opposite page) and a battery box for two dry cells. Both are mounted on a hardwood backboard with connecting wires concealed and protected in a groove at the rear. Overall size: 20½" high, 11½" wide, and 5¾" deep.

Part No.	Description	Price Each
L-659-B2	Self-Contained Booth phone, with generator and high-impedance ringer.	\$64.95
L-659-B3	Self-Contained Booth phone, less ringer, with generator and Waystation Filter.....	86.45

Type 10-A Portable Telephone



Equip track or pipeline inspectors, signal and communication crews, and every train with this handy portable phone. Perfect for use in cars or trucks. It can be used anywhere, connecting to any message or dispatcher circuit with the Universal Line Pole. Small, insulated generator produces powerful ringing signals. Type 10-A Portable is lightweight and compact. It's easy to carry, yet sturdily built to withstand hard outdoor use.

Complete assembly is just 8¼" high, 13" long and 5⅛" wide. Weights only 10½ lbs.
Meets AAR specifications.

Part No.	Description	Price Each
L-7036-A1	Type 10-A Portable phone, with generator and bell.....	\$72.50
L-7036-A5	Type 10-A Portable phone, with generator, bell and Waystation Filter	97.00

Hazardous Location Telephone

U.L. listed for use in oil refineries, gas plants, laboratories and other hazardous locations. Sealed housing encloses all components that might produce sparks. If gases should penetrate the housing and explode, the explosion is contained within the phone—prevents room atmosphere from igniting.

Height, 7⅞ inches; width, 6⅝ inches; depth, 10¼ inches.
This telephone must be installed with wiring in rigid conduit and with special fittings.

Part No.	Description	Price Each
ETWA-20	Automatic Telephone for Wall Mounting..... (30% discount from list price)	\$400.00 List



Prices are subject to change without notice.

AUTOMATIC ELECTRIC

Subsidiary of

GENERAL TELEPHONE & ELECTRONICS



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