

Northern Electric
Pay Stations and Pay Telephones

A comprehensive listing of NE Pay Stations and helpful information as collected from catalogue descriptions in NE catalogues and other sources....

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Type	Description	Source
No. 11	No 11 Pay Station can be furnished to operate with current Canadian coinage. This Pay Station is compact and neat in appearance and consists of a complete telephone equipment, when provided with a No. 706 A Receiver, Receiver cord, No. 635A Transmitter, and a Desk Set Box of the proper selection. The universal mounting plate on these stations allows for either wall or shelf attachment.	Cat's No,'s T3, T7 and T8.
No. 11J	Includes coin signal transmitter, for use with Uniphone and telephone sets equipped with a Hand Set.	Cat's No.'s T3, T7 and T8.
No. 14(J)	No. 14 Pay Station may be attached to a regular desk stand for portable postpay service. Orders should state the type of desk stand so the proper service. The 14J Pay Station provides portable postpay service with the advantage that a Uniphone Hand Set may be used. Shipping weight - 15 lbs. Each.	Cat. No. T6.
No. 23D	No. 23-D Pay Station can be furnished to operate with Canadian 25 cent, 10 cent, and either the new nickel 5 cent pieces or the old type small silver 5 cent pieces, but a station furnished to operate with one type of 5 cent piece will not operate with the other. This Pay Station is Compact and neat in appearance and its installation not only proves a decided advantage in appearance over the old method of attaching a station to a telephone which was never designed for such service, bit it affords a substantial saving to the telephone company by dispensing with the regular telephone set. They consist of a complete telephone equipment when provided with a No. 143 Receiver, No. 92 cord, No. 323 Transmitter, and a Desk Set Box of the proper selection. The universal mounting plate on these stations allows for either wall or shelf attachment.	Cat. No. T3.
No. 50M	This is the only post pay type of pay station arranged to operate with the Canadian 25 cent, 10 cent, and both the new nickel 5 cent coins and the small silver 5 cent pieces. It will also accept the regular nickels, dimes, and quarters of the United States mintage. This Pay Station has a general ruggedness of construction which enables it to withstand the rough usage incidental to public service. It is equipped with new locks of an improved type on the upper housing and on the cash drawer, insuring a maximum protection. The cash drawers are large, having an approximate capacity of sixty cubic inches and may be obtained in the open type (No. 2-A) or self-sealing type (No. 6001-A).	Cat. No. T3

	<p>When equipped with a No. 143 Receiver, No. 323 Transmitter, No. 92 Cord, and a Desk Set Box of the proper selection, this Pay Station makes a complete telephone equipment.</p> <p>If it is desired to mount the No. 50-M Pay Station on a table or on a shelf in a booth, a No. 139_a Bracket is required. This Bracket is not included as part of the Pay Station, and must be ordered separately.</p>	
No. 50L Also 150L	This pay station is of the post pay type arranged to operate with Canadian or United States coinage of the current issue. When arranged for use with an anti-sidetone Desk Set Box it is known as the No. 150L	Cat. No. T7
No. 50H also 150H	This Pay Station is designed for prepayment type of service and will operate with Canadian or United States Coinage of the current issue. When arranged for use with an anti-sidetone Desk Set Box it is known as No. 150H	Cat. No. T7
No. 50LJ also 150LJ	This Pay Station has the same operating features as the No. 50L. It differs in that a Hand Set is used instead of a permanently mounted transmitter and hand receiver. When arranged for use with an anti-sidetone Desk Set Box, it is known as a No. 150LJ	Cat. No. T7
No. 50HJ also 150HJ	This Pay Station has the same operating features as the No. 50H. It differs in that a Hand Set is used instead of a permanently mounted transmitter and hand receiver. When arranged for use with an anti-sidetone Desk Set Box, it is known as a No. 150HJ	Cat. No. T7
No. 182D3	<p>This coin collector is intended for post payment service in manual common battery systems and may be connected to a regular line circuit. Arranged so as to permit conversion to a prepayment coin collector.</p> <p>The circuit is completed when the handset is removed from the hook. Coins are deposited at the request of the operator and fall directly into the cash box. No provision is made for the return of coins, except that those deposited in the wrong slots are returned automatically. Built in 101A Induction Coil and 195C Condenser. Needs only an external Ringer, no network or subscriber set.</p>	Cat. No. T8
No. 191D3	<p>(Manual) These coin collectors are designed for prepayment service and the switchboard to which they are connected must be equipped with suitable circuits for this class of service.</p> <p>Furnished arranged for five cent operation on local calls in which case an initial deposit of five cents is required, but by a minor change may be converted to ten cent operation. In the latter case, an initial deposit of a ten cent coin, or two five cent coins is required for operation.</p> <p>Coins can be collected or refunded while patron is on the line, or at the completion of the call. Coins are returned when dropped into wrong slots.</p> <p>When arranged for ten cent operation and a call is abandoned after an initial deposit of a single five cent piece, coin will be returned when handset is restored. A five cent coin, deposited before the handset is removed, will also be returned. Built in 101A Induction Coil and 195C Condenser. Needs only an external Ringer, no network or subscriber set.</p>	Cat. No. T8

No. 191H3	<p>(Dial) These coin collectors are designed for prepayment service and the switchboard to which they are connected must be equipped with suitable circuits for this class of service. Furnished arranged for five cent operation on local calls in which case an initial deposit of five cents is required, but by a minor change may be converted to ten cent operation. In the latter case, an initial deposit of a ten cent coin, or two five cent coins is required for operation. Coins can be collected or refunded while patron is on the line, or at the completion of the call. Coins are returned when dropped into wrong slots. There was no pull bucket on the coin return, When arranged for ten cent operation and a call is abandoned after an initial deposit of a single five cent piece, coin will be returned when handset is restored. A five cent coin, deposited before the handset is removed, will also be returned. Built in 101A Induction Coil and 195C Condenser. Needs only an external Ringer, no network or subscriber set.</p>	Cat. No. T8
No. 193H3	<p>(Dial) This coin collector is designed for semi-post payment service in community dial systems. The switchboard must be equipped with suitable circuits for this class of service. Furnished arranged for five cent operation on local calls but by a minor change can be converted to ten cent operation. Equipped with a coin operated break contact normally shunting resistance in series with line, which in conjunction with central office circuits permits subscribers to be connected before coin is deposited but conversation is prevented until coin is dropped. No provision is made for the return of coins except that coins dropped into wrong slot are returned automatically. Toll calls are handled on a regular post-payment basis with the gong signals transmitted over a trunk to the operator office. Built in 101A Induction Coil and 195C Condenser. Needs only an external Ringer, no network or subscriber set.</p>	Cat. No. T8
No. N195	<p>Built in 101A Induction Coil and 195C Condenser. Needs only an external Ringer, no network or subscriber set. Electrically identical to the 191, the 195 series had a coin return with a pull bucket. More info to follow...</p>	
No. N196?	<p>Western Electric produced a 196 series - it is not known for certain if Northern Electric also produced one. The WE196's were electrically identical to the 191 series, but had a washer reject mechanism not on the 191's.</p>	
No. N197	<p>Built in 101A Induction Coil and 195C Condenser. Needs only an external Ringer, no network or subscriber set. Electrically identical to the 191, the 197 series had both a coin return with a pull bucket and a washer reject mechanism. More info to follow...</p>	
No. N203D	<p>This coin collector is intended for post-payment service in manual common battery systems. It is used with the No. 685A-3 Subscriber Set* giving it the same transmission and signaling characteristics as the No. 500 Type Telephone Set. It is arranged to permit conversion to a prepayment coin collector. The circuit is completed when the handset is removed from the hook. Coins are deposited at the request of the operator and fall directly into the cash box. No provision is made for the return</p>	Cat. No. T8

	of coins except for those deposited in the wrong slots are returned automatically.	
No. N212	Dial 3 Slot - Info to follow...	
No. N213H	<p>Dial 3 Slot - This coin collector is designed for semi-post-payment service in community dial systems. It is used with the <i>No. 685A-3 Subscriber Set*</i> giving it the same transmission and signaling characteristics as the No. 500 Type Telephone Set. The switchboard must be equipped with suitable circuits for this class of service.</p> <p>A coin operated break contact normally shunts out a resistor in series with the line. This arrangement, in conjunction with central office circuits, permits subscribers to be connected before a coin is deposited, but prevents conversation until the coin is dropped.</p> <p>When a call is originated and has been completed to the point where a reversal of line current occurs, due to the called party answering, the connection is split and tone is applied to the calling coin collector station to inform the caller that the coin should be deposited. When the coin is dropped in the chute it momentarily opens a contact inserting resistance in the line circuit allowing the circuit to complete the connection. On dials to the operator no reversal of current occurs and coins are deposited as instructed without receiving a tone.</p> <p>When a call is abandoned after an initial deposit of a single 5 cent piece, the coin will be returned when handset is restored. A 5 cent coin deposited before the handset is removed will also be restored. The N213H Coin Collector is furnished for 10 cent operation, but when provided with a cut-over clip can be used for 5 cent operation. Toll calls are handled on the regular post-payment basis with the gong signals transmitted over the mine to the operator. Available in Black, Green, and Beige.</p>	Cat. No. T8
No. N233H	<p>Dial 3 Slot - (This is one of the most common sets you will see today) These coin collectors are designed for prepayment service and the switchboard they are connected to must be equipped with suitable circuits for this class of service.</p> <p>The N233H Coin Collector is arranged for use with the <i>No. 685A-3 Subscriber Set*</i> giving it the same transmission and signaling characteristics as the No. 500 Type Telephone Set.</p> <p>The N233H Coin Collector is furnished for 10 cent operation, in which case an initial deposit of one 10 cent piece or two 5 cent coins is required for operation. When provided with a cut-over clip (P-339098), this coin collector can be used for 5 cent operation. The clip is not furnished and must be ordered separately. One 5 cent coin or more can be deposited in connection with toll or overtime charges. Coins so deposited give distinctive gong signals audible to the operator. The operator can collect or refund coins while the caller is on line or at the completion of the call. Coins are returned when deposited in the wrong slots.</p> <p>On uncompleted calls, coins are retained until the handset is restored on the switch hook, also, if the coins are deposited before the removal of the handset the coins will be retained till the handset is removed and replaced. An initial deposit of a single 5 cent coin will be returned</p>	Cat. No. T8

	<p>when the handset is restored. A 5 cent coin deposited before the handset is removed will be returned automatically.</p> <p>To reduce field maintenance, as well as provide several important new operating features, a new coin handling mechanism is used. The new coin handling mechanism unit consists basically of a non polarized, single coil, fast-operating slow-release coin relay (details below), a die cast hopper assembly with interlocked trap and vane, and a mounting base. Available in Black, Green and Lt. Beige.</p>	
No. N234G	Dial 3 Slot - Essentially a slightly improved security version of the N233H. Use with the No. 685A-3 Subscriber Set* More info to follow...	Steph Kerman
No. NE236QC	Dial 3 Slot - prepay. No subset needed - Q-series network and G1A or G1C ringer located in upper housing. Uses a 15 pin Cinch DA15 connectors to connect the upper and lower sections unlike earlier versions, which used a series of contact strips. More info to follow...	Steph Kerman, also 506-342-401 BSP
No. NE2236QC	Touch Tone 3 Slot - prepay. No subset needed - Q-series network and G1A or G1C ringer located in upper housing. Uses a 15 pin Cinch DA15 connectors to connect the upper and lower sections unlike earlier versions, which used a series of contact strips. These were produced for a long time with 10 button keypads, then later with 12 buttons. The WE equivalent was produced for a very short time. More info to follow...	Steph Kerman
No. QSD3A [#]	<p>Dial 3 Slot - semi-postpay. Use with the No. 685A-3 Subscriber Set* giving it the same transmission and signaling characteristics as the No. 500 Type Telephone Set. The switchboard must be equipped with suitable circuits for this class of service.</p> <p>When properly set up with a 685A-3 subset will work without modifications on modern lines. No provision is made for the return of coins, except that those deposited in the wrong slots are returned automatically. The coin vane by design is set to send all coins to the coin box. To send all deposited coins to the coin return (desirable for home use), it is necessary to unscrew a small set screw under the coin vane in the hopper, flip the vane over to the other side, then reinstall the screw. A small dab of clear silicone sealant may then be used to hold the vane to the far right. More information to follow...</p>	Steph Kerman, Bill Wright, NEP 2032Q-101
No. QSD3B [#]	Dial 3 Slot - semi-postpay. Use with the No. 685A-3 Subscriber Set?* More information to follow...	
No. QSD4A [#]	TT 3 Slot - semi-postpay. No subset needed - Q-series network and G1A or G1C ringer located in upper housing. Uses a 15 pin Cinch DA15 connectors to connect the upper and lower sections unlike earlier versions, which used a series of contact strips. More info to follow...	Steph Kerman

**Note: Those coin collectors saying they are used with the 685A-3 Subscriber Set must either use that, or be provided with a 425 network or equivalent for operation. Where dial shorting circuits exist, these must be disabled for non ground start lines (i.e. for home use).*

#Note: The QSD series are phones unique to NE with no WE equivalent. These were marketed heavily in the U.S.

Coin Coll.	App. Blank	Dial	Dial Adaptor	Number Plate	Coin Rail	Condenser	Induction Coil	Handset	Coin Sig. Transmitter	Dial Cord	Upper Housing Lock	Varistor	Filter	Resistance
182D-3	50C-3	-	-	-	1A	195C	101B	F1B3	2-654-A	-	10G	37A	-	-
191D-3	50C-3	-	-	-	1A	195C-452B	101B	F1B3	2-654-A	-	10G	37A	-	-
191H-3	50C-3	5HH-3	56A	147B	1A	195C-452B	101B	F1B3	2-654-A	D5AE	10G	37A	-	-
193H-3	50C-3	5HH-3	56A	147B	1A	542C	101B	F1B3	2-654-A	D5AE	10G	31A-37A	61R	63CH

Cat. T9

Coin Coll.	Colour	Coin Rail	Capacitor	Handset	Upper Housing Lock	Dial	Dial Adaptor	Dial Cord	Number Plate Card holder	Card Holder	Widow & Card Support	Sh. Wt.
N203D-3	Black	1B	-	G3FRN-3	21B-44	-	-	-	-	50K-3	-	25
N203D-51	Green	1B	-	G3FR-52	21B-44	-	-	-	-	50K-51	-	25
N203-60	Lt. Beige	1B	-	G3FR-60	21B-44	-	-	-	-	50K-60	-	25
N213H-3	Black	1B	452B	G3FRN-3	21B-44	6C-3	63A-3	D5AF	158B-3	-	P298106	27
N213H-51	Green	1B	452B	G3FR-52	21B-44	6M-3	63A-51	D5AF	158B-51	-	P43A388	27
N213H-60	Lt. Beige	1B	452B	G3FR-60	21B-44	6M-3	63A-60	D5AF	158B-60	-	P43A388	27
N233H-3	Black	1B	452B	G3FRN-3	21B-44	6C-3	63A-3	D5AF	158B-3	-	P298106	28
N233H-51	Green	1B	452B	G3FR-52	21B-44	6M-3	63A-51	D5AF	158B-51	-	P43A388	28
N233H-60	Lt. Beige	1B	452B	G3FR-60	21B-44	6M-3	63A-60	D5AF	158B-60	-	P43A388	28

Northern Electric/Northern Telecom/Nortel Single Slot Sets

Centurion	QSD200A-3	Prepay Rotary Dial (black)	Cat. No. T9
	QSD200A-26	Prepay Rotary Dial (brown)	
	QSD200A-27	Prepay Rotary Dial (blue)	
	QSD200A-28	Prepay Rotary Dial (green)	
	QSD2200A-3	Prepay Pushbutton dial (black)	
	QSD2200A-26	Prepay Pushbutton dial (brown)	

	QSD2200A-27	Prepay Pushbutton dial (blue)	
	QSD2200A-28	Prepay Pushbutton dial (green)	
	QSD401A6-76	Semi Post Pay Rotary Dial models the first example of one of these was seen in July 2009 when a correspondent emailed me about his phone. These phones had no coin relay installed, and a bracket carrying a P0523364 sensor board is mounted in its place and connected to the same socket as the relay would have been in a prepay phone. The coin hopper is set with a set-screw to route all coins to the coin box.	See Photo Below...
	No Info...	Semi Post Pay Pushbutton Dial Models	See Photo Below...
QSD Series	QSD100A	Basic Panel Coin Set (rotary dial)	Cat. No. T9
	QSD2100A	Basic Panel Coin Set (pushbutton dial)	
	QSD100B	Complete Panel Coin Set (pushbutton dial)	
	QSD2100B	Complete Panel Coin Set (pushbutton dial)	
Millenium		<p>This Multi-Pay Terminal accepts a range of coins, including the dollar coin, plus magnetic stripe commercial credit cards, calling cards and "smart" chip cards.</p> <p>Coins are held in escrow until positive call connection is detected, eliminating the need for a separate coin return mechanism.</p> <p>The visual display shows credit remaining for coin calls. When a user places the card in the reader, the terminal automatically reads the account number in the magnetic stripe -eliminating long distance dialing sequences. The consumer can make multiple calls after a single card insertion by using the Next Call key rather than having to re-insert the card.</p> <p>High Security COCOT. Now manufactured by QuorTech. The most commonly seen version is the Multi-Pay. There are also desktop versions and a "Coin-Only" version without the card slot.</p>	

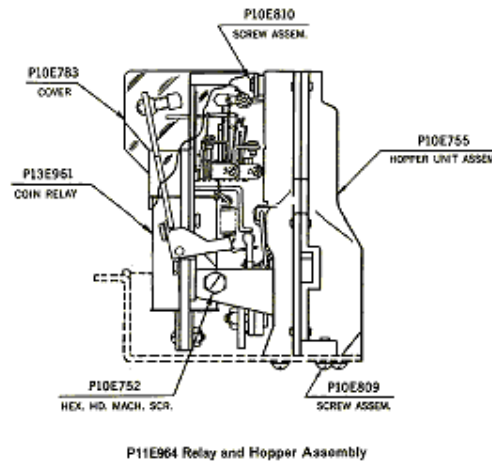
Single Coil Coin Relays as used in later Prepay 3 Slot Phones (from the NE T9 Catalogue):

All Northern Electric prepay types of coin collectors now employ the new P 11E964 Coin Handling Mechanism. The new unit consists basically of a non-polarized, single coil, fast operating, slow release coin relay and a die cast hopper assembly with interlocked trap and vane.

All the major elements are located in approximately the same position as their counterparts in the older unit, but in the new unit, the coin relay mounts directly on the hopper assembly instead of on the base.

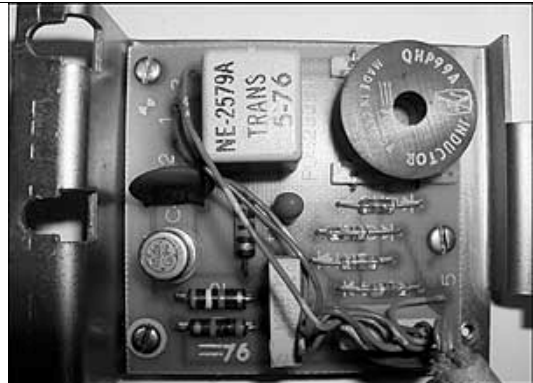
Several important operating advantages will be achieved by the use of the new unit:

- Longer loop for obtaining satisfactory coin disposal
- Reliable operation with shorter operating pulse
- Larger hopper handles larger individual coin loads



The P11E964 Coin Relay and Hopper Assembly may be used for the repair of coin mechanism units of all pre-pay types of coin collectors of the No. 150 type or later types of Bell System design. No modifications are required to the present mechanism base (hopper tray). The three mounting screws in the old unit should be replaced by the three new screw and washer assemblies supplied with the replacing unit.

Recently found in a collection of a contact of mine, one of the semi post-pay versions of the Centurion. It is virtually identical to the Prepay Centurion, with the exception that there is no coin relay, and a P0523364 board is mounted over the coin hopper. It generates a coin signal as each coin passes through the hopper. The coin trap is permanently set to the left so coins will go directly to the coin box. This board has the same cable as a normal Centurion relay, and connects to the same socket on the phone. This is the first example of a semi post-pay Centurion I have seen. - July 18, 2009.



Note: This file produced with the assistance of Fred Coady, Steph Kerman, Stan Schreier, and Bill Wright who furnished additional information.

This listing will continue to evolve. I hope that you will find it useful. I am always looking for additions and corrections - if you have any new information, please forward it to me at dhunter@islandregister.com so that it can be added to this document.

Northern Electric Catalogues on Cd!

Available from Fred Coady, these affordable disks are now available with the following Northern Electric catalogue issues: T3 (1927), T6 (2nd Edition - 1937), T7 (1947), T8 (1955) and T9 (1962 to 1972 - over 700 Pages - T9 was a loose-leaf catalogue, which was updated as new pages were issued). These catalogues contain Northern Electric's entire range of products at the time of issue, including wiring diagrams for many early NE phones. Disks are priced at \$15 USD per catalogue year. Contact Fred at fred_2882@yahoo.com for details!

I can personally attest to the excellence of Fred's disks. I have had a copy of his first CD for some time, and have just received copy of the T6 and T9 catalogues on disk and now have all the years listed above. These disks are excellent quality, and the scans are exceptional. I have found them one of the most useful resources I have, and find I refer to them on almost a daily basis. At \$15.00 a pop, they are a steal. I can't wait till Fred finds copies of other catalogues to scan!

The perfect resource for the Canadian phone collector!

The Telephone on P.E.I. - <http://www.islandregister.com/phones/phones.html>