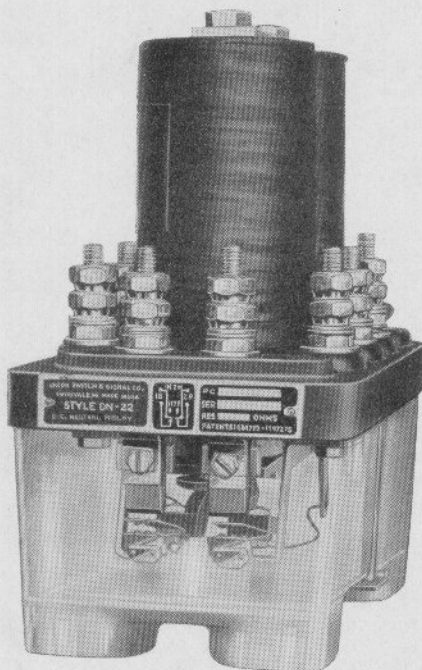


VOID
PLATE E-4935

UNION SWITCH & SIGNAL CO.



Height $7\frac{9}{16}$ " , Width 4" , Depth $6\frac{3}{8}$ "

Style "DN-22" D.C. Neutral Relay

The standard "DN-22" two contact relay meets the demand for a quick shunting track relay, especially for applications where light equipment, such as light engines, or gas electric cars are in use at high speeds. A particular application is its use in a primary-secondary relay combination with the "DN-18" slow pick-up relays, or with the "DP-21" relay. For line use where a two contact relay is desired, the relay is equipped with the "DN-11" relay line coils.

APPLICATION:

- 1—As line or track relay where the necessary number of contacts does not exceed its capacity.
- 2—As track relay (with or without repeater) where quick shunting is a requisite. This is obtained with the "ordinary acting" assembly. Faster action is obtained by specifying "quick acting."
- 3—As track relay to control a repeater relay located in tower.
- 4—As special track relay with a repeater (Primary-Secondary Relay Combination). Such as "DN-18" slow pick-up ordinary release relay or "DP-21" slow pick-up retained neutral polarized relay.
- 5—For special application to A.P.B. where the requirement is two front contacts for signal control and one independent back contact for picking up a stick relay.

The "DN-22" line has been expanded to include the "DN-22A," "DN-22L" and "DN-22P," which are listed and described on plates following this one.

UNION SWITCH & SIGNAL CO.

VOID
PLATE **E-4935**

Style "DN-22" D.C. Neutral Relays

For details refer to Plate E-4978. Shock Absorber Bases (Ref. 56, Plate E-4978) or Wall Mounting Brackets (Ref. 57, Plate E-4978) are not furnished unless called for. Orders should specify resistance per pair of Coils. (See Ref. 8a, Plate E-5025).

**Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only**

Style "DN-22" D.C. Neutral Relay, Magnet Coils .. Ohms Per Pair Dwg. C-9432-3.					
Piece	Ref.	Contact Combination	Contact Members		
			Front Post	Back Post	Spring
	Aa	2F-2B Dependent (Low Voltage)	S.I.C.	S.	S.
	Ab	2F-1B Independent (Low Voltage)	S.I.C.	S.	S.
	Ac	2F-2B Dependent (High Voltage)	S.I.C.	S.I.C.	S.I.C.

When ordering the above Relays, orders should be accompanied with the following information:—

(1) Type—Line or Track. If for track use, state whether for primary-secondary use.

(2) Resistance.

(3) Type of Contacts.

The following contact equipment is available:

Low Voltage (First range voltage)—silver to silver impregnated carbon front, silver to silver back.

High Voltage (Second range voltage)—silver impregnated carbon to silver impregnated carbon, front and back.

(For second range voltage A.C. it is common practice to use silver to silver impregnated carbon front and back contacts).

NOTE:—Meanings of above abbreviations—

S.I.C.—Silver Impregnated Carbon.

S.—Silver.