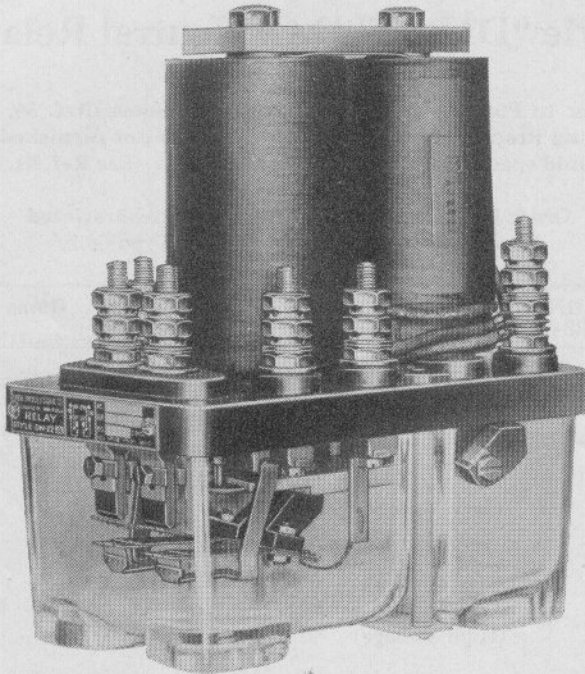


VOID
PLATE E-4936

UNION SWITCH & SIGNAL CO.



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

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

The Style "DN-22A" Relay for series line approach lighting service is recommended for new work, or for revisions to existing installations, where relays must meet the new A.A.R. Specification No. 101-37 requiring heavier armature torques and the same safety standards as exist in standard track relays. This relay in approach lighting is adaptable only to series line service and cannot be used as a track approach lighting relay. For series track approach lighting service the Style "DNL-4" will have to be used on account of the adjustable features necessary in the magnetic circuit to obtain calibration.

The "DN-22A" Relay is not interchangeable in existing approach lighting circuits using the "DNL" type relays without making a change in the resistances of the line relays in series, or adding cells to line battery.

In series line service in which it is necessary that the series relay be able to stay in the energized position while some other relay is transferring from front to back, or back to front contacts, a rectifier snub is provided, mounted on the relay backstrap, to provide the necessary slow release effect. This relay can also be supplied with the standard slow release coils used on "DN-11" Relays, providing an efficient slow release relay.

For additional information on Style "DN-22" Relays, see Plate E-4935.

Style "DN-22A" 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 or 57a, 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-22A" D.C. Neutral Relay, Magnet Coils .. Ohms Per Pair Dwg. C-9432-8.					
Piece	Ref.	Contact Combination	Contact Members		
			Front Post	Back Post	Spring
	A	2F-2B Dependent (Low Voltage)	S.I.C.	S.	S.
	Aa	2F-1B Independent (Low Voltage)	S.I.C.	S.	S.

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

- (1) Type—Ordinary, Slow Release or Rectifier Snub.
- (2) If Rectifier snub, state voltage across rectifier, or give type and resistance of line relay to work in series, and voltage of circuit.
- (3) Resistance.
- (4) 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.