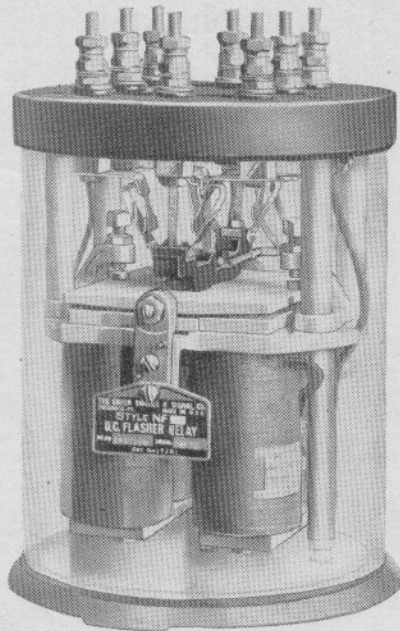


PLATE E-5050

UNION SWITCH & SIGNAL CO.



The Style "NF" Relay has an overall diameter of 7 inches and height of 10- $\frac{1}{8}$ inches.

STYLE "NF" D. C. FLASHER RELAY

This relay provides flashes of light of proper timing and duration for Highway Crossing Signals. While based on the standards set by the Signal Section, A. R. A., it has been developed for the specific work it has to perform.

The Style "NF" (Neutral Flasher) Relay provides 28, 30 to 35 or 40 to 45 flashes of light per minute from each lamp unit. The flashes are of the same duration, this being made possible by symmetrical arrangement of parts—an exclusive feature of this relay. Lamp operating and relay control circuits are clearly indicated by terminal identifications moulded in the top plate. Connections within the relay are simply made and can be readily traced, due to the 100 percent view provided by the cylindrical glass shield.

Contact equipment is of sufficient capacity for controlling one to three of our flashing light type highway crossing signals receiving energy from a single battery, or duplicate batteries wired as recommended by the Signal Section, A. R. A.

Constant timing and duration of flashes of light are maintained throughout a wide voltage range. But two resistances, 350 and 800 ohms, are necessary to take care of a range of 5.5 to 12 volts, as listed below:

350-ohms		800-ohms	
Normal	Minimum	Normal	Minimum
6-8 volts	5.5 volts	10-12 volts	8 volts

UNION SWITCH & SIGNAL CO.

STYLE "NF" D. C. FLASHER RELAY

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

Piece	Ref.	Description	Drawing Reference
125344	A	Style "NF" D.C. Flasher Relay complete, 350-ohms resistance per pair of coils, 30-35 Flashes per minute	C-9027-2
125345	Aa	Style "NF" D.C. Flasher Relay complete, 800-ohms resistance per pair of coils, 30-35 Flashes per minute.	C-9027-2
128680	Ab	Style "NF" Flasher Relay complete, 350-ohms resistance per pair of coils, 28 Flashes per minute.....	C-9027-2
128681	Ac	Style "NF" D.C. Flasher Relay complete, 800-ohms resistance per pair of coils, 28 Flashes per minute....	C-9027-2
153199	Ad	Style "NF" D.C. Flasher Relay complete, 350-ohms resistance per pair of coils, 28 Flashes per minute (with Rectifier for radio interference elimination per View "X" Plate E-5061).....	C-9027-2
165977	Ae	Style "NF" D.C. Flasher Relay complete, 800-ohms resistance per pair of coils, 30-35 Flashes per minute (with Rectifier for radio interference elimination per View "X" Plate E-5061).....	C-9027-2
171921	Af	Style "NF" D.C. Flasher Relay complete, 800-ohms resistance per pair of coils for L. H. Magnet; R. H. rear Coil having 400-ohms resistance and R. H. front Magnet consisting of 47 Copper Washers per View "Z" Plate E-5061 for Train Order Signal 40-45 Flashes per minute.....	C-9027-2
156074	Ag	Style "NF" D.C. Flasher Relay complete, special calibration and with slow acting coils on L. H. side and quick acting coils on R. H. side per View "Y" Plate E-5061, 300-ohms resistance per pair of coils on L. H. side and 350-ohms resistance per pair of coils on R. H. side, 52-58 Flashes per minute.....	C-9027-2