UNITED STATES
ELECTRIC SIGNALS

PARTS FOR TYPES K, K-2
THE UNITED STATES ELECTRIC SIGNAL COMPANY

offers this parts catalog to railway officials and maintainers in
the belief that it will be found more convenient and complete
than any other catalog previously published, concerning our Types
K and K-2 Signals. There is included also, a list of parts for our No. 5
and 5-A contactors which are used in connection with the above equip­
ments. All our parts are made by skilled workmen and are of the
best materials available, and each part is inspected before shipped
from our factory. Many of the parts are illustrated to assist in
ordering.

UNITED STATES ELECTRIC SIGNAL CO.

West Newton, Mass.
Part Nos. and Index to Cuts for Type K and K-2 Signals.

All Parts Listed are Common to K and K-2 with Exceptions as Indicated.

800  Signal Box Casting Complete with Door, Dome and Dome Base. K   839  Magnet Stand.
800-2 Signal Box Casting Complete with Door, Dome and Dome Base. K-2  840  Set Screw for Magnet Core.
801  Dome and Dome Base Casting.  841  Pivot Screw for Armature.
802  Door complete. K.  842  Magnet Coil for Pick-up Magnet.
802-2 Door complete. K-2.  843  Core for Pick-up Magnet.
803  Base Slate for Relay. (for 4 and 5 Point Contact Sets.)  844  Heel Strap for Pick-up Magnet.
803 A Base Slate for Relay. (for 4 and 5 Point Contact Sets.)  845  Nut for 843.
804 R Side Fibre K.  846  Base for Pick-up Magnet.
804 L Side Fibre K.  847  Set Screw for 843.
804-2 R Side Fibre K-2.  848  Armature Lever for Front Magnet. (Right Hand.)
804-2 L Side Fibre K-2.  849  Pivot Shaft for 848.
805  Resistance Tube Case.  850  Tension Spring Pin for Pawl.
806  Resistance Tube Case Back.  851  Armature Lever for Front Magnet. (Left Hand.)
807  Fibre Back of Tube Case.  852  Armature.
808  Partition for Tube Case.  853  Pivot Pin for Roll 855.
809  End for Tube Case.  854  Pivot Pin for 858.
810  Resistance Tube Clip (bottom).  855  Roll for 850.
811  Resistance Tube Clip (top).  856  Cotter Pin for 851.
812  Resistance Tube Case, Bracket.  857  Pawl for 848.
813  Movement Roof.  858  Pawl for 851.
814  Pivot Screw for Locking Lever Shaft.  859  Tension Spring Pin for 857.
815  Main Relay Magnet.  860  Tension Spring Pin for 858.
816  Core for Magnets, No. 815 and No. 0815.  861  Tension Spring for 857 and 858.
817  Heel Strap for Magnet.  862  Locking Lever for Step Wheel.
818  Set Screw for Magnet Spool.  863  Cotter Pin for 862.
819  Nut for 816.  864  Pivot Shaft for 862.
820  Tension Spring Pin for 821.  865  Dome Lock.
821  Rear Contact Lever.  866  Locking Device for Restoring Magnet.
822  Middle Contact Lever.  867  Armature Lever for Pick-up Magnet.
823  Front Contact Lever.  868  Armature for 867.
824  Contact for 821.  869  Pivot Pin for 867.
824 A Contact Bar with Solid contact Strip for 821.  870  Screw for 868.
825  Contact for 822.  871  Base Slate Screw Bushing.
825 A Contact Bar with Solid contact Strip for 822.  872  Tension Rod for Contact Levers. Long and Short.
826  Contact for 823.  873  Rear Armature Levers.
826 A Contact Bar with Solid contact Strip for 823.  874  Armature for Rear Armature Levers.
827  Roof Slate. (Right Hand.)  875  Pivot Pin for Rear Armature Levers.
828  Spring Contact fingers for 827 and 829.  876  Armature Screw.
829  Roof Slate. (Left Hand.)  877  Pivot Shaft for 874.
830  Contact Slate for Pick-up Magnet.  878  Dwell Lever.
831  Spring Contact fingers for 830.  879  Spring for 879.
832  Shelf for Pick-up Magnet.  880  Pivot Bracket for 879.
833  Bracket for 832.  881  Nut for 881.
834  Relay Frame.  882  Dwell Wheel, Step Wheel, Ratchet Wheel and Shaft. Click.
835  Base Screw.  883  Click Spring.
836  Tension Spring Pin for 834.  884  Connecting Link for 831.
837  Pivot Screw for Step Wheel Shaft.  885  Connecting Link for 866.
838  Pivot Shaft for Contact Levers.  886  Bottom Slate (for old style case).
839  Magnet Stand.  887  Base Slate for 4 Point contact Set.
840  Set Screw for Magnet Core.  888  Base Slate for 5 Point contact Set.
841  Pivot Screw for Armature.  889  Bracket for 86.
842  Magnet Coil for Pick-up Magnet.
Fibre Washer for 64.
Nut for Bolt, 65.
Movement Base Pin.
Lock and Two Keys.
Key for 68.
Fibre under 68.
Fibre One Wire Cleat.
4 Point Contact Set for 24.
5 Point Contact Set for 24-5.
4 Point Contact Set for 803 or 803A.
5 Point Contact Set for 803A.
Fuse Block. (Six Pole.)
Iron Extension for Lamp. (Old style case).
Lamp Receptacle, Rubber.

We recommend these contact fingers in preference to the spring contact fingers.

602 Disc Complete with Shaft and Weight, White and Green.
605 Armature.
607 Weight.
609 Fibre Base.
610 Armature Bracket.
613 Chain Bracket.
615 Chain.
617 Pivot Screw.
618 Back Pivot Screw.
621 Levelling Screw.

Armature Shaft.
Door Hinges.
Semaphore Hanger.
Semaphore Case Casting Fitted with Door.
Semaphore Door.
Semaphore Glass.
Semaphore Magnet Coil with Core.
Slate for Terminal.

Fibre Base.
Armature Bracket.
Armature.
Semaphore Magnet Coil with core.
Armature Shaft.
Chain Lever Bracket.
Levelling screw for 900.
Fastening screw for 900.
Chain Lever.
Chain Lever Shaft.
Chain.

Connecting Link.
Connecting Link Pin.
Adjusting Screw for 905.
Adjusting Screw Pin.
Levelling Screw for 609.
Fastening Screw for 609.
Red Semaphore Complete with Shaft and Weight.
Red Semaphore Weight.
Fixed Pivot Screw for 912.
Adjustable Pivot Screw for 912.

K and K-2 Relay.
To avoid confusion the wires are shown uninclosed, but we recommend that they be inclosed in fibre, wood, or iron conduit cleated to the pole.
LINE WIRING PLAN

NOTE
WHEN ONE SWITCH ONLY IS USED PLACE
AT POINTS MARKED S WITH SIGNAL
TWO SPANS AWAY.

TROLLEY WIRE

TROLLEY SWITCHES

TROLLEY SWITCHES

TO TROLLEY SWITCH CONNECTIONS DEPEND UPON TYPE OF SWITCH USED.

NO. 1

LIGHTNING ARRESTER

KICK COILS

LINE NO. 1

LINE NO. 3

LINE NO. 2

TO TROLLEY SWITCH CONNECTIONS DEPEND UPON TYPE OF SWITCH USED.

NOTE
LINE AND SWITCH LEADS TO BE NO. 12 IRON WEATHERPROOF COVERED 4 FT. SQ. TO PERMANENT MOISTURE.

COKE OR CHARCOAL GAL. IRON 10 FT LONG.
Nos. 5 and 5A Trolley Contactors.

No. 5A Trolley Contactor.
INDEX TO CUTS

No. 5 Trolley Switch Parts.

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<td>Hinge Contact Finger—We recommend this contact finger in preference to the spring contact finger.</td>
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No. 5A Contactor Parts.

2005 Hinge-pin for Cover.
2006 Weight (Left).
2007 Weight (Right).
2008 Pendulum Roll Lever (Left).
2009 Pendulum Roll Lever (Right).
*2010 Roll for Pendulum Lever.
2011 Link (Left).
2012 Link (Right).
*2013 Pin for Pendulum Roll Lever.
2014 Cotter Pin for Movement Shaft and Roll Pin.
2015 Brass Sleeve for Roll Lever.
*2016 Movement Shaft.
*2017 Link Screw.
2018 Link Stop-pin.
*2019 Link Spring.
2020 Screw for Attaching 2039 to 2006.
2021 Screw for Attaching 2037 to 2008, 2037 to 2022 and 2039 to 2008.
2022 Movable Contact (Left).
2023 Movable Contact (Right).
*2024 CoverLatch.
2025 Latch Pin.

*Indicates parts interchangeable in 5 and 5A.
No. 5A Contactor Parts.

2026 Latch Screw.
2027 Latch Spring.
2028 Cotter Pin for Pendulum Shaft.
2029 Pendulum Shaft.
2030 Pendulum Spring.
2031 Pendulum.
2032 Terminal Slate (Left).
2033 Terminal Slate (Right).
2034 Stationary Contact.
2035 Bracket for Terminal Slate (Left).
2036 Bracket for Terminal Slate (Right).

*2037 Spring for Movable Contact (Left).
*2038 Spring for Movable Contact (Right).
2039 Spring for Hanger (Left).
2040 Spring for Hanger (Right).
2041 Copper Burr for 2042.
2042 Stationary Contact Screw.
*2043 End Insulation.
2044 Screw Bushing.
2045 Screw for 2032, 2035 and 2043.
2046 Pin for Link Spring.

*Indicates parts interchangeable in 5 and 5A.
A Few Illustrations of K-2 Installations

“Protection at its height—Service that is right.”
A LITTLE BETTER THAN ANY OTHER

"USES CO" SIGNAL OIL

We should call the attention of Electric Railways to the importance of cleaning thoroughly and oiling their Signals and Trolley Switches. We know that a very large per cent of all Signal trouble is from a poor line and a lack of proper care of the Signals.

Clean and oil your apparatus at least every two months. Too much oil is worse than none, as it collects dust and makes a cutting grit that is bad for mechanism. Use the best oil obtainable ("Usesco") and a little will do the work.

For Signals we recommend an oil that we have used for 10 years and know it to be the best for this purpose. Does not gum and has the lasting qualities. We put this out for the benefit of those desiring an oil suitable for this class of work.

"Usesco" Signal Oil is put up by us in pint cans and ready for immediate shipment.

BUY THE BEST
"USES CO"

The United States Electric Signal Co.
WEST NEWTON, MASS., U. S. A.

"Protection at its height — Service that is right."