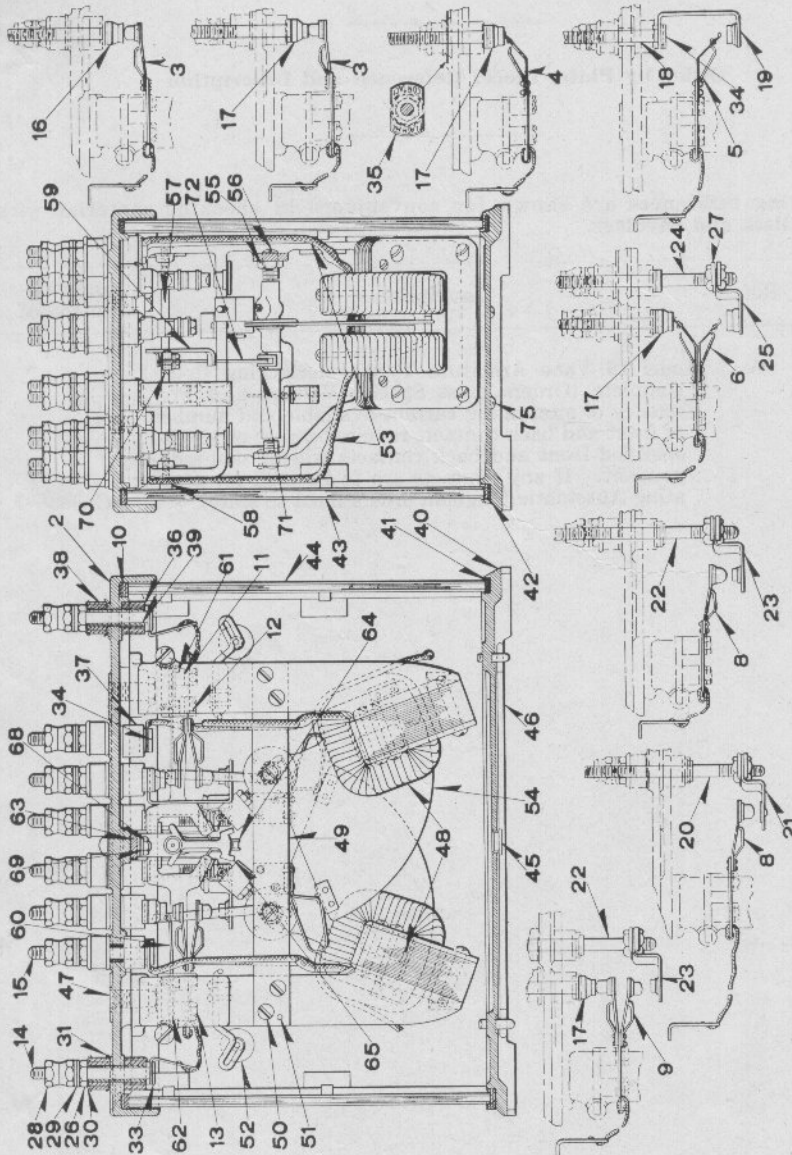


UNION SWITCH & SIGNAL CO.

Zachary C. Gillihan 2008



MODEL 16 VANE ARMATURE TYPE INTERLOCKING RELAY
DETAIL PARTS

UNION SWITCH & SIGNAL CO.

MODEL 16 VANE ARMATURE TYPE INTERLOCKING RELAY

DETAIL PARTS

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Order by Plate, Piece, Reference and Description

Drawing references are shown for convenience in checking material with shipping lists and invoices.

Piece	Ref.	Description	Drawing Reference
83492	2	Top Plate, complete with Gasket Ref. 10.....	C-8637-6
83841	3	Front Contact Spring complete, with Graphite Tip....	8385-1299
114319	4	Front Contact Spring complete with Silver Tip (for Automatic Flagman)	8385-1903
116967	5	Back Contact Spring complete with Silver Tip.....	8385-1903
114317	6	Front and Back Contact Spring complete with Silver Tips.....	8385-1903
125336	6a	Front and Back Contact Spring complete with Silver Tips (For Automatic Flagman).....	8385-1903
114318	7	Front Contact Spring complete, (not shown) with Silver Tip	8385-1903
83842	8	Back Contact Spring complete with Graphite Tip.....	8385-1299
83840	9	Front and Back Contact Spring complete with Graphite Tips.....	8385-1299
65643	10	Gasket only for 2	8078-788
22621	11	Bushing	8095-199
19409	12	Nut Lock	8486-68
1515	13	Nut for 12	8109-23
128625	14	Terminal Post complete with Nuts, Washers, Ins. Tubing and Ins. Bushing	12451-96
30109	14a	Terminal Post only for 14.....	8094-707
	15	Terminal Post complete with Nuts, Washers, Ins. Bushing and Ins. Tubing.....	12451-
54080	15a	Terminal Post only for 15 and 18.....	8094-797

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 DETAIL PARTS
 (Continued)

Order by Plate, Piece, Reference and Description

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Piece	Ref.	Description	Drawing Reference
	16	Front Terminal Post complete with Nuts, Washers, Ins. Bushing and Ins. Tubing.....	12451-
83746	16a	Front Terminal Post complete for 16.....	8094-1173
	17	Front Terminal Post complete with Nuts, Washers, Ins. Bushing and Ins. Tubing.....	12451-
72334	17a	Front Terminal Post complete for 17.....	8094-1097
128624	18	Back Terminal Post complete with Nuts, Washers, Ins. Bushing Ins. Tubing and Back Terminal Post Ref.19	12451-204
126109	19	Back Terminal Post complete for 18.....	8094-1205
	20	Back Terminal Post complete with Nuts, Washers, Ins. Bushing, Ins. Tubing and Back Terminal Post Ref.21	12451-
79366	21	Back Terminal Post complete for 20.....	8094-2034
	22	Back Terminal Post complete with Nuts, Washers, Ins. Bushing, Ins. Tubing and Back Terminal Post Ref.23	12451-
81454	23	Back Terminal Post complete for Ref. 22.....	8094-2034
	24	Back Terminal Post complete with Nuts, Washers, Ins. Bushing, Ins. Tubing and Back Terminal Post Ref.25	12451-
114323	25	Back Terminal Post complete for Ref. 24.....	8094-1257
29103	26	Nut for Terminal Post.....	8109-194
32186	27	Nut Lock.....	8486 129
29101	28	Nut.....	8109-193
29102	29	Washer.....	7828-139
29105	30	Washer.....	7828-140
41105	31	Washer.....	7828-178

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 DETAIL PARTS
 (Continued)

Order by Plate, Piece, Reference and Description

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Piece	Ref.	Description	Drawing Reference
65846	32	Washer (Used between contact spring support and locking arm only when necessary to get proper setting of locking arm) (not shown).....	7828-287
65847	32a	Washer (Used between contact support and locking arm only when necessary to get proper setting of locking arm) (not shown).....	7828-287
29062	33	Lock Washer.....	8486-110
29063	34	Lock Washer.....	8486-111
92115	35	Flagman Washer.....	7828-337
29510	36	Ins. Bushing.....	8750-710
32812	37	Ins. Bushing.....	8750-756
33877	38	Ins. Bushing.....	8095-364
79097	39	Ins. Bushing.....	B-10270-1
83487	40	Base, complete with Corner Posts, Gaskets, Supports, Glass Shields, Ventilator and Handle.....	C-8637-5
66931	40a	Base Plate only for 40.....	C-8122-1
44265	41	Gasket (ends) for 40.....	8078-559
44266	42	Gasket (sides) for 40.....	8078-559
83488	43	Shield (side).....	8163-235
83489	44	Shield (end).....	8163-235
34340	45	Ventilator.....	C-7459-6
83497	46	Handle complete.....	8311-59
83852	47	Bolt $\frac{3}{8}$ " x $1\frac{1}{2}$ ".....	8190-327

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MODEL 16 VANE ARMATURE TYPE INTERLOCKING RELAY

DETAIL PARTS

(Continued)

Order by Plate, Piece, Reference and Description

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Piece	Ref.	Description	Drawing Reference
	48	Coils and Laminations complete with Brackets (Specify Voltage and Frequency on the piece number of the Relay with which it is to be used).....	C-8637-5
83450	49	Bracket Brace, complete.....	C-8637-5
	50	Machine screw No. 10-30 x $\frac{1}{2}$ " Fil Hd. S. (Cad. Pl. Spec. 1326) .	
43654	51	Dowel.....	8097-448
69693	52	Roller.....	8095-417
70080	53	L. H. Connector complete.....	8064-306
70081	53a	R. H. Connector complete.....	8064-306
83515	54	Vane Armature complete.....	10985-24
1508	55	Nut.....	8109-14
	56	Trunnion Screw complete with Nut Ref. 55.....	12471-
21642	56a	Trunnion Screw for 55.....	8378-138
83521	57	Contact Spring Support complete.....	C-8637-3
47579	58	Pivot Screw.....	8378-197
72335	59	Locking Arm.....	C-8122-2
66770	60	Link Arm.....	11893-11
62977	61	Screw.....	8098-845
65405	62	Lock Washer.....	8486-155
125755	63	Pawl Support.....	C-8637-6
72333	64	Spring complete.....	8735-472

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Piece	Ref.	Description	Drawing Reference
113086	65	Locking Pawl complete	9121-96
55713	66	Name Plate (not shown)	8225-143
44217	67	Screw for 66 (not shown)	8098-827
44230	68	Nut	8109-281
45338	69	Nut Lock	8486-155
56404	70	Pin	8097-652
46441	71	Pin	8097-652
66798	72	Link	8232-152
	73	Machine Screw No. 10-30 x $\frac{5}{8}$ " Flat Hd. Br. (For attaching top plate) (not shown)	
37661	74	Washer for sealing Relay (not shown)	7828-168
	75	Machine Screw No. 4-48 x $\frac{1}{4}$ " Rd. Hd. S. (Cad. Pl. Spec. 1326).	
65674	76	Dummy Post complete with Nut, Washer, Lock Washer and Bushing (to fill unused holes in Top Plate) (not shown)	12471-
65675	76a	Lock Washer for 76	8486-267
31065	76b	Bushing for 28	8350-299
29104	76c	Washer for 76	7828-138