



CASE, CONDENSER, AND COUNTERWEIGHT DETAILS FOR SV-12 AND TWO AND THREE POSITION MODEL 15 VANE RELAYS

UNION SWITCH & SIGNAL CO.

CASE, CONDENSER, AND COUNTERWEIGHT DETAILS FOR SV-12 AND

TWO AND THREE POSITION MODEL 15 VANE RELAYS

Zachary C. Gillihan 2008

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
65935	2	Case with two ventilators 23 for 3-Position Model 15 Relay .....	C-8814-7
94493	2a	Case with two ventilators 23 for SV-12 and 2-Position Model 15 Relays .....	C-8814-7
65793	3	Front Door .....	C-8814-24
65954	4	Rear and Side Door .....	C-8814-6
83977	4a	Side Door (For Relay 79904) with bracket, drilled for mounting G. E. Vacuum Tube Lighting Arrester ..	C-8814-12
61762	5	Glass Shield for Doors .....	8163-186
94596	5a	Glass Shield, complete with 6 .....	8163-282
64279	6	Gasket for 5a .....	8078-1134
	7	Screw No. 10-30 x $\frac{3}{8}$ " Flat Hd. S. Mach. (Cad. Pl.) for fastening Doors to Case.	
62042	8	Name Plate (blank unless marking specified) .....	8225-158
	9	Screw No. 6-40 x $\frac{3}{16}$ " Rd. Hd. Br. Mach. for fastening 8 to 3.	
	10	Counterweight only .....	9672-130
	10a	Counterweight, (75 grams) complete (includes 1-10, 1-11, 1-12, 1-14, 1-15) .....	9672-130
	10b	Counterweight, (112 grams) complete as above .....	9672-170

\*When ordering counterweights, specify the Piece No. of Relay in which it is to be used.

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Piece	Ref.	Description	Drawing Reference
62351	11	Counterweight Link.....	8232-147
62350	12	Pin for fastening 11 to 10a and 10b.....	8097-837
62335	13	Pin for upper end of Link 11.....	8097-837
49160	14	Adjusting Screw for Counterweights 10a and 10b....	8098-592
26977	15	Lock Nut for 14.....	8109-186
61707	16	Bracket for 10a and 10b.....	C-8814-2
62334	17	Pin for fastening 10a and 10b to 16.....	8097-837
54921	18	Rivet for fastening 16 to 2.....	10301-1
90715	19	Roller Bracket (upper).....	8124-199
69693	20	Stop Roller.....	8095-417
90506	21	Clamp for fastening 19 to 2.....	11893-94
54922	22	Rivet for fastening 21 to 2.....	10301-1
34340	23	Ventilator ( $\frac{9}{16}$ "') for bottom of Case 2.....	C-7459-6
	24	Screw, No. 14-24 x 1" Fil. Hd. Br. Mach. for fastening top plate to Case 2.	
38448	25	Washer for 24.....	7826-98
	26	Screw, No. 6-40 x $\frac{1}{4}$ " Rd. Hd. Br. for Ground Connector	

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Piece	Ref.	Description	Drawing Reference
77449	27	Condenser, only.	
90962	27a	Condenser, complete (as shown) for Relays equipped with only one Condenser and first of two Condensers in one Relay, (includes 1-27, 1-28, 1-29, 2-30 and 2-31).....	C-8814-20
90946	27b	Condenser, complete (not shown) second of two Condensers in one Relay (includes 1-27, 1-28a, 1-29a, 2-30 and 2-31a).....	C-8814-20
63799	28	Supporting Strip (straight) for 27a.....	C-8814-5
81913	28a	Supporting Strip (offset) for 27b.....	9999-97
63801	29	Clamping Strip (without insulating plate) for 27a..	C-8814-5
78235	29a	Clamping Strip (with insulating plate) for 27b.....	C-8814-12
63803	30	Screw for connecting 28 and 29 or 28a and 29a.....	8098-1225
	31	Screw, No. 8-36 x $\frac{1}{2}$ " Flat. Hd. Br. Mach. for fastening 28 to 2.	
	31a	Screw, No. 8-36 x $\frac{3}{8}$ " Flat Hd. Br. Mach for fastening 28a to 2.	
	32	Screw, No. 4-48x $\frac{1}{4}$ " Rd. Hd. Br. Mach. to plug holes in bottom of case after vane retaining cord is removed	
	33	Resistor, complete as shown (9-watt capacity). (Specify resistance or the piece number of the relay with which it is to be used.)	
	34	Resistor, complete as shown with Ins. Plate, R. H. Terminal Post and Resistor. (Specify resistance or the piece number of the relay with which it is to be used).....	9065-152
	34a	Resistor only for 34 (specify resistance or the piece number of the Relay with which it is to be used)..	9065-152
134370	35	Insulation for 27a and 27b.....	8750-2186