



Model 2A Circuit Controller Parts

March 1916

GENERAL RAILWAY SIGNAL COMPANY

Model 2A Circuit Controller
Operating Contacts
Pole Changer Contacts, Etc.

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

Fig. No.	Name	Drawing Reference
Order by plate, figure number and name		
A	Operating Contact Complete as shown, Relay Type. Specify position of Signal Arm at which Contact is to make and break. (1-1, 1-7, 1-11, 1-12, 1-32, 1-33).....	35320
B	Pole Changer Contacts Complete as shown, Relay Type. Specify position of Signal Arm at which Polarity is to be changed. (2-2, 2-8, 4-11a, 2-13, 2-14, 2-16, 2-17, 2-32, 2-34).....	
C	Pole Changer Contacts Complete as shown. (2-4, 2-5, 2-9, 2-10, 4-11, 4-33).....	
D	Snubbing Contact Complete as shown. Specify Tripper required, see Fig. 19 to Fig. 23 inclusive. (2-15, 1-18, 1-24, 1-25, 1-32, 1-35, 1-Tripper Fig. 19 to Fig. 23 inclusive as specified).....	33539
E	Resistance Unit Complete as shown, resistance 250 ohms. (2-28, 1-29, 2-33).....	
F	Fuse Complete as shown, 3 amperes. (2-30, 1-31, 2-33).....	
1	Contact Arm Complete, includes Contact Spring, Adjuster and Roller, for Operating Contact Fig. A.....	35321
2	Contact Arm Complete, includes Contact Spring, Adjuster and Roller, for Pole Changer Contacts Fig. B.....	38461
3	Roller Complete, includes Support, Stud and Nuts, for Fig. A and Fig. B.....	
3a	as above, except without Nuts.....	42470
3b	Nut, No. 8, hex., for Roller Complete Fig. 3.....	9188
4	Contact Spring, for Pole Changer Contacts Fig. C.....	30829
5	Adjuster, for Contact Spring Fig. 4.....	29967
6	Adjuster, for Contact Arms Fig. 1 and Fig. 2.....	35332
7	Tripper, for Operating Contact Fig. A. Specify positions of Signal Arms at which Contact is to make and break....	
8	Tripper, for Pole Changer Contacts Fig. B.....	38468
8a	as above, except with two Screws Fig. 11a.....	

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9	Contact Piece, for Pole Changer Contacts Fig. C.....	37919
9a	as above, except with two Screws Fig. 11.....	
10	Contact Spring, for Pole Changer Contacts Fig. C.....	37918
11	Wood Screw (brass), No. 6 x ½" flat hd., for fastening Contact Fig. 7 to Commutator.....	30127
11a	Wood Screw (steel), No. 6 x ½" flat head, for fastening Contact Fig. 8 to Commutator.....	44734
12	Contact Spring, for Operating Contact Fig. A.....	35322
13	Front Contact, for Pole Changer Contacts Fig. B.....	38464
14	Back Contact, for Pole Changer Contacts Fig. B.....	38466
15	Contact Spring, for Snubbing Contact Fig. D.....	30641
16	Insulating Block, for Pole Changer Contacts Fig. B.....	38470
17	Insulating Block, for Pole Changer Contacts Fig. B.....	38469
18	Contact Arm Complete, includes Contacts, Roller and Support.	33530
19	Tripper, for Snubbing Contact Fig. D, for three position 90° Signals.....	30639
19a	as above, except with one Screw Fig. 11.....	
20	Tripper, for Snubbing Contact Fig. D, for three position 75° Signals.....	30879
20a	as above, except with one Screw Fig. 11.....	
21	Tripper, for Snubbing Contact Fig. D, for two position 0° to 45° or 45° to 90° Signals.....	30808
21a	as above, except with one Screw Fig. 11.....	
22	Tripper, for Snubbing Contact Fig. D, for two position 60° Signals.....	34060
22a	as above, except with two Screws Fig. 11.....	
23	Tripper, for Snubbing Contact Fig. D, for three position 90° Signals.....	34364
23a	as above, except with Screw Fig. 11.....	
24	Insulating Block, for Snubbing Contact Fig. D.....	30642
25	Insulating Cap, for Snubbing Contact Fig. D.....	30640

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Fig. No.	Name	Drawing Reference
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26	Resistance Unit, 1 ohm, for Snubbing Contact Fig. D, for Top of Mast Signals.	35161
26a	as above, except 3 ohms	
26b	same as Fig. 26, except 12 ohms	
27	Resistance Unit, 1 ohm, for Snubbing Contact Fig. D, for Base of Mast Signals.	40485
27a	as above, except 3 ohms	
27b	same as Fig. 27, except 12 ohms	
28	Support, with Stud, for Resistance Unit Fig. 29	43746
29	Resistance Unit, 250 ohms, for Fig. E	0319
30	Support, with Fuse Clip, for Fuse Fig. 31	30834
31	Fuse, 3 amperes, for Fig. F	0839
32	Binding Post Complete as shown, for Fig. A, Fig. B and Fig. D. (1-32a, 3-32b, 2-32c, 1-32d)	
32a	Screw, $\frac{1}{4}$ " x $1\frac{1}{4}$ " sq. hd., for Binding Posts Fig. 32 and Fig. 33. .	21713
32b	Nut, $\frac{1}{4}$ " hex., for Binding Posts Fig. 32, Fig. 33 and Fig. 34. . .	20098
32c	Washer, $\frac{1}{4}$ " , for Binding Posts Fig. 32, Fig. 33 and Fig. 34. . .	1225
32d	Lock Washer, for Binding Post Fig. 32	43083
33	Binding Post Complete as shown, for Fig. A, Fig. C, Fig. E and Fig. F. (1-32a, 3-32b, 2-32c)	
34	Binding Post Complete as shown, for Fig. B. (3-32b, 2-32c, 1-34a, 1-34b)	
34a	Screw, $\frac{1}{4}$ " x 2" sq. hd., for Binding Post Fig. 34	21714
34b	Bushing, for Binding Post Fig. 34	38471
35	Binding Post Complete as shown, for Fig. D. (1-35a, 2-35b, 1-35c, 1-35d)	
35a	Screw, $\frac{1}{4}$ " x $1\frac{1}{2}$ " , sq. hd., for Binding Post Fig. 35.	16563
35b	Nut, $\frac{1}{4}$ " hex., for Binding Post Fig. 35	7395
35c	Washer, $\frac{1}{4}$ " , for Binding Post Fig. 35	1225
35d	Bushing, for Binding Post Fig. 35	30644