



A - Type A Table Interlocker

## Type A Table Interlocker

**NOTE:** Circuit controller contacts as furnished, may be adjusted to open or close at any point desired. Very fine adjustments are easy to secure, since the moulded cams are adjustable in steps of 6° and since the rollers of the relay type contacts are adjustable in between these steps.

The table interlocker handle is equipped with a latch as shown which positively stops the handle in the latching position and which is easy to operate. Another type of latch, shown on Plate G2015 will be furnished when specified.

Coil leads to indicator and electric lock are terminated on binding posts adjacent to the contacts on circuit controller.

Indicator positions in the group are lettered on the drawing for convenience in ordering. This lettering does not appear on the casting.

The letters L, X, B, C, D, Y and R appear on the front plate casting and are used to designate latching positions of the handle.

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

Fig. No.	Name	Drawing Reference
<b>Order by plate, figure number and name</b>		
A	Type A Table Interlocker Unit Complete. <b>Specify the following:</b> (1) The number of indicators required, the labeling and position of each. The voltage on which the indicators are to operate and if A.C. specify frequency. See Plate G2019. (2) The voltage on which the lock is to operate and if A.C. specify frequency. See Figs. 52 and 53 on this plate for coils. (3) Sector and latch plate required. See Plate G2017. (4) Number of contacts required on circuit controller. (5) Push Button or other optional parts. See Plates G2010 and G2015	51400-1 Gr. 1
A1	as above, except indicator in position 4 mechanically operated by lock armature. <b>Specify the following:</b> (1) The number of indicators required, the labeling and position of each. The voltage on which the indicators are to operate and if A.C. specify frequency. See Plate G2019.	

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Fig. No.	Name	Drawing Reference
<b>Order by plate, figure number and name</b>		
	(2) The voltage on which the lock is to operate and if A.C. specify frequency. See Figs. 52 and 53 on this plate for coils.	
	(3) Sector and latch plate required. See Plate G2107.	
	(4) Number of contacts required on circuit controller.	
	(5) Push Button or other optional parts. See Plate G2010 and G2015.	
A2	same as Fig. A, except without electric indicators but with one mechanical indicator operated by lock armature and locked in position 4. For details see Plate G2015. Indicator labeled, upper half, locked; lower half, unlocked.	
<b>Specify the following:</b>		
	(1) The voltage on which lock is to operate and if A.C. specify frequency. See Figs. 52 and 53 on this plate for coils.	
	(2) Sector and latch plate required. See Plate G2017.	
	(3) Number of contacts required on circuit controller.	
	(4) Push Button or other optional parts. See Plates G2010 and G2015	51400-1 Gr. 3
B	Crank Complete, includes parts Figs. 62 and 64 to 69 inclusive....	49734-4 Gr. 1
C	Magnet Complete, includes parts Figs. 50, 51, 55, 56 and coils Fig. 52. Specify Fig. reference for coils desired or voltage on which lock is to operate.	
D	Controller Complete, as shown. Specify number of contacts. ....	
E	Contact Group Complete, includes 2-21, 4-22, 2-23, 5-24, 1-25, 1-26, 2-27.....	51409-2 Gr. 1
F	Armature Finger Complete, for D.C. lock, includes parts Figs. 34, 36, 37, 39 and 40.....	51412 Gr. 1
F1	as above, except without kick-off spring. Fig. 36, for use with A.C. lock.....	51412 Gr. 2
G	Armature Finger Complete, for D.C. mechanically operated indicator. Has armature finger Fig. 73, Plate Fig. 74 and counterweight Fig. 75.....	51412-1 Gr. 1

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Fig. No.	Name	Drawing Reference
<b>Order by plate, figure number and name</b>		
G1	as above, except without kick-off spring for use with A.C. lock	51412-1 Gr. 2
1	Front Plate Complete, as shown, includes glass, bezel ring, gasket and screws. (4-3, 2-4, 1-5, 1-6)	51404-4 Gr. 1
1a	as above, except for use as lock and block instrument, latching positions lettered L and R only	51404-4 Gr. 2
1b	same as Fig. 1, except for light indicator. Specify number and position of indicators	
2	Screw, No. 10-32 x 3/4" rd. hd., for fastening indicator bracket to front plate	628
3	Screw, No. 6-32 x 1/4" fl. hd., for fastening bezel ring Fig. 6 to front plate	2601
4	Gasket, rubber for glass Fig. 5	
5	Glass, 1/8" x 3 1/2" x 5", for front plate	50538-15
6	Bezel Ring, for glass, Fig. 5	51428
7	Screw, No. 14-24 x 2" fl. hd., for fastening indicator group and rod Fig. 8 to front plate	6105
8	Rod, hex., as shown	51430
9	Indicator Complete, direct current. For details and order references see Plate G2019 Fig. A	51405
10	Indicator Complete, alternating current. For details and order references see Plate G2019, Fig. B	51405-1
11	Bracket, for circuit controller	51421
12	Screw, No. 14-24 x 7/8" hex. hd., with washer, for fastening bearing bracket Fig. 16 to bracket Fig. 11	12527-1 0510-1
13	Nut, No. 10-32 x 3/16" hex., for rod Fig. 8	6471
14	Shaft, for circuit controller	47544-1
15	Castle Nut, 1/2"-13 hex., for shaft Fig. 14	28346-1
16	Bearing Bracket, for shaft Fig. 14, includes staple for cover lock	48629-3 4029

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Fig. No.	Name	Drawing Reference
<b>Order by plate, figure number and name</b>		
17	Lock Washer Complete, for use above upper commutator and below lower commutator.....	28344 Gr. 2
18	Lock Washer Complete, for use between cams.....	28344 Gr. 1
19	Insulation, for use between block Fig. 20 and bracket Fig. 11.....	12485-1
20	Terminal Block only, for circuit controller, two required.....	43716-6
21	Nut, No. 14-24 x 1/8" hex, for terminal posts.....	46989-2
22	Nut, No. 14-24 x 5/16" hex., for terminal posts.....	42843-1
23	Screw, No. 14-24 x 1 3/4" sq. hd., used as terminal post.....	450-5
24	Washer, for terminal posts.....	1225-2
25	Finger Complete, consisting of roller, adjustor and spring.....	50965-1 Gr. 1
26	Arm Complete, with contact.....	50963-1 Gr. 1
27	Commutator, two required for each contact, arranged for adjustment in steps of 6°.....	28342-6
28	Screw, No. 10-32 sq. hd., used as terminal post for indicator and electric lock coils.....	29151-1
29	Nut, No. 10-32 hex., for screw Fig. 28.....	40796
30	Washer, for screw Fig. 28.....	40791
31	Screw, No. 10-32 x 1/8" fl. hd., for fastening terminal board to bracket Fig. 11.....	6981
32	Washer, for screw Fig. 31.....	5046
33	Cover Complete.....	30575-9 Gr. 1
34	Armature Finger only.....	13160-1
35	Pin, 3/16" x 2 3/8", hinge for finger Fig. 34.....	504-5
36	Kick-off Spring, for armature, used only for D.C. electric locks.....	43136-1
37	Armature, only, for D.C. or A.C. operation includes residual pins.....	13158-1 35286-2
38	Cable Guide, as shown.....	51429
39	Screw, No. 10-32 x 3/8" rd. hd., for fastening cable guide to bracket Fig. 11 and finger Fig. 34 to armature.....	2435
40	Screw, No. 10-32 x 5/8" rd. hd., with hex. nut for fastening finger Fig. 34 and spring Fig. 36 to armature.....	2784 577

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Fig. No.	Name	Drawing Reference
<b>Order by plate, figure number and name</b>		
41	Sector, for shaft Fig. 59 . . . . .	29842-2
42	Taper Pin, No. 2 x 1", for fastening sectors, Figs. 41, 45 and 60 to their shafts . . . . .	12644
43	Washer, for use above sector Fig. 46 . . . . .	28355
44	Bushing, for shaft Fig. 14 . . . . .	28345-2
45	Sector, for shaft, Fig. 14 . . . . .	29842-5
46	Sector, intermediate, beveled one side for meshing with sector Fig. 41, other side meshes with sector Fig. 45 . . . . .	29842-4
47	Screw, No. 14-24 x 3/4" hex. hd., for fastening brackets Figs. 11 and 49 to base . . . . .	0657
48	Dowel Pin, 5/8" x 5/8", for brackets Figs. 11 and 49 . . . . .	504-39
49	Bracket, support for shaft Fig. 59 . . . . .	48629-1
50	Washer, 5/8", fibre, for coil . . . . .	17546
51	Core Complete, for use with D.C. or A.C. lock . . . . .	33884-2 Gr. 1
52	Electric Lock Coil, direct current, two required for each lock. Resistance 153 ohms, operates on 8 volts . . . . .	13162-2 Gr. 4
52a	as above, except resistance 255 ohms, operates on 10 volts . . . . .	13162-2 Gr. 3
52b	same as Fig. 52, except two coils for dynamic-indication, two of each required for each lock. One coil, 87.5 ohms, operates on 10 volts . . . . . One coil, .42 ohms for dynamic-indication . . . . .	{ 13162-6 Gr. 3 13162-5 Gr. 1
52c	same as Fig. 52, except two coils for dynamic-indication, two of each required for each lock. One coil, 323 ohms, operates on 16 volts . . . . . One coil, .42 ohms for dynamic-indication . . . . .	{ 13162-6 Gr. 2 13162-5 Gr. 1
53	Electric Lock Coil, alternating current, two required for each lock. Resistance 4.25 ohms, operates on 110 volts, 60 cycles or 55 volts, 25 cycles . . . . .	13162-2 Gr. 5

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Fig. No.	Name	Drawing Reference
<b>Order by plate, figure number and name</b>		
53a	as above, except two coils for dynamic-indication, two of each required for each lock. One coil 3.79 ohms, operates on 110 volts, 60 cycles or 55 volts, 25 cycles. One coil, .42 ohms for dynamic-indication . . . . .	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">{</div> <div style="text-align: left;">                     13162-6 Gr. 1                      13162-5 Gr. 1                 </div> </div>
54	Screw, No. 14-24 x 1" hex. hd., for fastening support Fig. 56 to front plate . . . . .	12528
55	Nut, 3/8"-16 x 3/16" hex., for cores Fig. 51, includes washer . . . . .	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">{</div> <div style="text-align: left;">                     35519                      0569                 </div> </div>
56	Support, for electric lock coils . . . . .	51417
57	Screw, 5/16"-18 x 3/4" hex. hd., for fastening front plate to base . . . . .	0441
58	Base, includes stud for sector Fig. 46 . . . . .	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">{</div> <div style="text-align: left;">                     51419                      441-15                 </div> </div>
59	Shaft, for sectors Figs. 41 and 60 . . . . .	47544-5
60	Sector Complete, with replacer. For details and order references see Plate G2017 . . . . .	
61	Woodruff Key, No. 4, for fastening sector Fig. 60 to shaft Fig. 59 . . . . .	026-4
62	Crank, only, as shown . . . . .	29649-6
63	Cover Plate, for back of crank . . . . .	51438-3
64	Screw, No. 4-36 x 1/2" rd. hd., for fastening cover plate . . . . .	29107-1
65	Guide Complete, with studs which operate in latch plate notches . . . . .	51437-1 Gr. 2
66	Stud, for handle Fig. 67 . . . . .	441-130
67	Handle, only, as shown . . . . .	49843-4
68	Pin, 3/8" x 1/8", for fastening handle Fig. 67 to stud Fig. 66 . . . . .	504-159
69	Pin, shouldered, for stud Fig. 66 . . . . .	1118-3
70	Locking Dog Complete, as shown, includes pin, for attaching to armature finger . . . . .	51413 Gr. 1
71	Taper Pin, No. 2 x 1 1/4" for fastening crank Fig. 62 to shaft Fig. 59 . . . . .	28349
72	Spacer, used over shaft Fig. 14 fo fill space when less than 10 contacts are used. Specify number of contacts on controller . . . . .	49655

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Fig. No.	Name	Drawing Reference
<b>Order by plate, figure number and name</b>		
73	Armature Finger, only, for mechanically operated indicator . . . . .	13160-2
74	Plate, includes stud and escutcheon pin for mechanically operated indicator . . . . .	{ 34677-2 441-26 0877
75	Counterweight, for mechanically operated indicator . . . . .	
76	Rod, for operating mechanically operated indicator . . . . .	29467-2
77	Screw, No. 14-24 x 3/4", includes nut, for fastening latch plate to front plate . . . . .	{ 50599-2 50637