



Model 5 Form B Interlocking Machine

## Model 5 Form B Electric Interlocking Machine

**NOTE:** When ordering interlocking machines a signaled and numbered track plan should be furnished, drawn to a scale of not more than one hundred feet to the inch. This plan must show the location of the tower and the relation of the front of the machine to the track (the front is that part of the machine occupied by a man when operating the levers). It should also indicate clearly the functions of each lever and route or routes to be governed by each signal. The order should also state the number of levers and spare spaces.

Electric locks, time locks, time contactors, push buttons and similar equipment are classed as auxiliary appliances and should be specified when required.

For sizes and dimensions of machine see Page 6.

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	<p>Lever Complete, for single switch or derail. Includes all apparatus necessary for adding lever in machine. See Plate G0313 for lever and details.</p> <p><b>Order must specify the following:</b></p> <ol style="list-style-type: none"> <li>(1) Name and location of interlocking plant.</li> <li>(2) Upright or downturned lever.</li> <li>(3) Lever number.</li> <li>(4) Model and operating voltage of switch machine.</li> <li>(5) If lever is to be notched for electric lock, specify position it is desired to lock lever, i.e., normal, reverse, etc. See Plate G1115 for lever notching.</li> <li>(6) Number of tiers of locking.</li> <li>(7) Number of contacts on rotary circuit controller.</li> </ol>	
A1	<p>as above, except with stub lever shown on Plate G0313, Fig. E, for double lever space. <b>Order must specify information required in Fig. A.</b></p>	
B	<p>Lever Complete, for signal. Includes all apparatus necessary for adding lever in machine. See Plate G0313 for lever and details.</p> <p><b>Order must specify the following:</b></p> <ol style="list-style-type: none"> <li>(1) Name and location of interlocking plant.</li> </ol>	

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Fig. No.	Name	Drawing Reference
<b>Order by plate, figure number and name</b>		
B	(2) Uprturned or downturned lever.	
Cont.	(3) Lever number.	
	(4) Type of signal which lever will control.	
	(5) Dynamic or battery indication. If battery indication give voltage, if A.C. give voltage and frequency.	
	(6) If lever to be notched for time lock or time contactor.	
	(7) Number of tiers of locking.	
	(8) Number of contacts on rotary circuit controller.	
C	Cabinet Complete, includes screws for fastening to frame. See Plate G0211 for details and order references.	A
D	Frame Complete. See Plate G0211 for details and order references.	
E	Locking Bed. See Plate G0809 for details and order references.	
F	Lamp Case Complete, includes screws for mounting. See Plate G0704 for details and order references.	
G	Time Contactor Complete, includes screws for mounting. See Plate G1119 for details and order references.	
H	Time Lock Complete, includes screws for mounting. See Plate G1117 for details and order references.	
J	Electric Lock Complete, includes screws for mounting. See Plate G1112 Fig. B for details and order references.	
K	Indication Latch Complete. See Plate G0511 for details and order references.	
L	Indication Magnet Complete. See Plate G0502 for details and order references.	A1
M	Controller Complete, includes screws for mounting. See Plate G0409 for details and order references.	
N	Indication Selector Complete, includes screws for mounting. See Plate G0509, for details and order references.	B
P	Polarized Relay Board Complete, includes screws for mounting. See Plate G0608 for details and order references.	

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Fig. No.	Name	Drawing Reference
<b>Order by plate, figure number and name</b>		
R	Polarized Relay Complete. See Plate G0505 for details and order references, and Plate G0608 for mounting board.	
S	Fuse Board Complete. See Plate G0612 for details and order references.	
T	Rotary Circuit Controller Complete, includes bearings and screws for mounting. See Plate G0411 for details and order references.	
U	Terminal Board Complete. See Plate G0610 for details and order references.	
V	Terminal Board Complete. See Plate G0610 for details and order references.	
W	Fuse Tester Complete, as shown, for testing enclosed fuses.	53773 Gr. 1
1	Cap, intermediate, guide for use between levers . . . . .	53979 Gr. 1
1a	as above, except for use at right hand end of machine . . . . .	53979 Gr. 2
1b	same as Fig. 1, except for use at left hand end of machine . . . . .	53979 Gr. 3
2	Screw, $\frac{3}{8}$ "-24 x $2\frac{1}{16}$ " hex. hd., for fastening cap Fig. 1 to frame, includes washer . . . . .	53349-1 42175
3	Moulding, for top of cabinet, for use with 16 lever section . . . . .	53385-4
3a	as above, except for use with 12 lever section . . . . .	53385-7
4	Wedge Complete, for fastening indication latch to frame, includes spring and plate . . . . .	53416-1 Gr. 1
5	Nut, $\frac{1}{2}$ "-20 hex., for screw on wedge . . . . .	51019-2
6	Wire Guide, for use with 16 lever section . . . . .	53403
6a	as above, except for use with 12 lever section . . . . .	53403-1
7	Screw, No. 14-24 x $2\frac{1}{8}$ " hex. hd., for mounting wire guide Fig. 6, includes washer . . . . .	12527-7 1225-2
8	Nut, $\frac{1}{4}$ "-24 x $\frac{1}{2}$ " hex., for rod Fig. 10, includes washer . . . . .	774-1 53029-2
9	Screw, $\frac{5}{16}$ "-24 x $1\frac{1}{2}$ " rd. hd., for mounting polarized relay board Fig. P to frame, includes nut and washer . . . . .	2466 1102 6132

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Fig. No.	Name	Drawing Reference
<b>Order by plate, figure number and name</b>		
10	Rod Complete, for operating rotary circuit controller and high-voltage controller . . . . .	32627-5 Gr. 8
10a	as above, except for operating rotary circuit controller when high-voltage controller is not used . . . . .	54734-1 Gr. 2
11	Nut, $\frac{3}{8}$ "-24 hex., for rod Fig. 10 . . . . .	52822-3
12	Screw Jaw, for connecting rod Fig. 10 to rotary circuit controller . . . . .	32231-3
13	Screw, No. 14-24 x $1\frac{1}{2}$ " fil. hd., includes nut and washer, for mounting fuse board Fig. S . . . . .	{ 12651-12 { 42839-1 { 1225-2
14	Block, right hand, for use with bracket Fig. 15 on right hand end of machine . . . . .	53336-3
14a	as above, except left hand, for use on left hand end of machine . . . . .	53336-4
15	Bracket, one required for each lever space when lamp cases are not used . . . . .	53382-1
16	Screw, No. 10-32 x $\frac{3}{16}$ " fil. hd., for mounting bracket Fig. 15, includes washer . . . . .	{ 53379 { 34494-1
17	Screw, No. 14-24 x $1\frac{1}{2}$ " fil. hd., for fastening block Fig. 14 to bracket Fig. 20, includes washer . . . . .	{ 0504-9 { 0510-1
18	Plate, right hand, for use on right hand end of machine . . . . .	53353-3
18a	as above, except left hand, for use on left hand end of machine . . . . .	53353-4
19	Screw, No. 10-32 x $\frac{7}{8}$ " rd. hd., with washer, for fastening moulding on cabinet to bracket Fig. 20 . . . . .	{ 3044-14 { 34494-1
20	Bracket, for supporting moulding for cabinet . . . . .	53383
21	Nut, No. 10-32 x $\frac{3}{8}$ " hex., for screw Fig. 19 . . . . .	38239
22	Moulding, for front of cabinet, for use with 16 lever section . . . . .	53385
22a	as above, except for use with 12 lever section . . . . .	53385-1
23	Screw, No. 14-24 x $1\frac{5}{8}$ " hex. hd., with washer, for fastening plate Fig. 18 to frame . . . . .	{ 12527-6 { 0510-1
24	Screw, No. 14-24 x $1\frac{1}{4}$ " fil. hd., for mounting terminal boards Figs. U and V, includes washer . . . . .	0651-1 1225-2

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Fig. No.	Name	Drawing Reference
<b>Order by plate, figure number and name</b>		
25	Nut, No. 14-24 x $\frac{3}{16}$ " hex., for screw Fig. 24. ....	50637-1
26	Insulation, for use between front leg and floor. ....	2539-35
27	Washer, for use on front and rear legs when mounting to floor. ....	17492-1
28	Washer, fibre, insulation for mounting bolts. ....	493-6
29	Bushing, fibre, insulation for mounting bolts. ....	7350-38
30	Insulation, for use between rear leg and floor. ....	2539-33
31	Screw, No. 14-24 x 2" rd. hd., with nut and washer, for mounting fuse tester Fig. W to polarized relay board, Fig. P. ....	{ 1411-6 { 42839-1 { 1225-2