

## Foreword

The Type A Table Interlocker is as its name implies, a small interlocking machine which may be placed on a table or desk. It is composed of one or more units each complete within itself, the units being grouped together and interlocked as conditions require. Each unit comprises a circuit controller having a capacity of 10 independent contacts, a forced drop electric lock for locking the circuit controller in any position required and four indicators which may be employed for giving the operator information. These indicators may be either the banner type as shown on Plate G2003 or the light type as shown on Plate G2002. When interlocked, each unit is mounted on a sub-base and the sub-bases are bolted together to form the locking bed for mechanical locking between units. Where a layout does not require interlocking the sub-bases are omitted.

Very few signal devices have been adapted to so many different uses as the Type A Table Interlocker. The unit construction throughout and the design of the circuit controller make it ideally suited to these various applications.

### The Circuit Controller

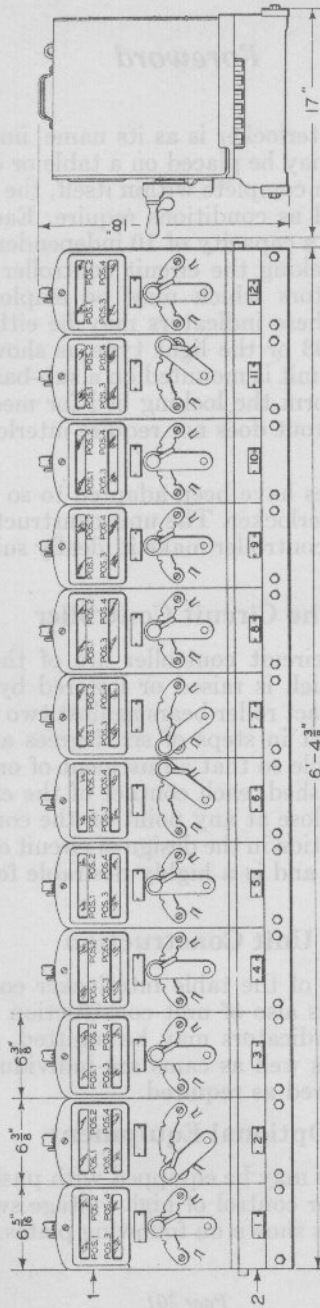
The contacts of the circuit controller are of the relay type, being actuated by a roller which is raised or lowered by projections on the moulded cam. Each contact roller bears against two cams, each of which is adjustable on the shaft in steps of six degrees and the roller of the contact finger is adjustable so that adjustment of one degree or less can be made easily. As furnished, each contact of the circuit controller can be adjusted to open or close at any point on the complete stroke of the handle. This is an innovation in the design of circuit controllers, makes all contacts and cams alike and is a highly desirable feature for an instrument of this kind.

### Unit Construction

Not only is each unit of the table interlocker complete within itself but the individual unit is also of unit construction throughout, so that any one, or all of the indicators may be omitted, or the lock may be omitted. The contacts as well as cams are individual units which may be easily added or replaced as required.

### Optional Equipment

Table interlocker units may be equipped with push button, stick push button or snap switch for control of high voltage switch machines, and other auxiliary devices as shown on following plates.



**Type A Table Interlocker**  
**Horizontal Locking**

# Type A Table Interlocker

## Horizontal Locking

NOTE: In ordering table interlockers it is very necessary that complete information be given with order. On this plate the standard arrangements are listed and the items to be specified are also listed so that nothing should be omitted if our ordering instructions are followed carefully. The units in the group will be numbered from left to right as shown, unless otherwise specified.

The circuit controller contacts furnished on all table interlockers are so designed that contacts may be adjusted to open or close at any point desired, without special arrangements of any kind.

An auxiliary circuit controller as shown on Plate G2013 can be supplied with the table interlocker shown on this plate when specified. It provides from two to ten additional contacts.

The number of units that can be interlocked is limited by the capacity of the locking bed, which provides space for twelve longitudinal bars and two cross locking brackets per unit. More than 12 units can be assembled on one bed provided locking is so arranged that longitudinal bars can be cut as required.

Units with light type indicators as shown on Plate G2004 may be used if desired.

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>Type A Table Interlocker Complete, twelve unit, has horizontal locking. Furnish locking sheet to show the interlocking required between units. Refer to the units of the assembly by the numbers as shown on number plates. <b>Specify for each unit the following:</b></p> <p>(1) Number of indicators, the labeling or color and position of each, the voltage on which indicators are to operate and if A.C. specify frequency. If light type give type of lamp desired. See Plates G2019 and G2015 for indicators.</p> <p>(2) The voltage on which electric lock is to operate and if A.C. specify frequency. See Plate G2003 Figs. 52 and 53 for standard lock coils. . . . .</p> <p>(3) The notching of locking sector and the latch plate required. See Plate G2017 for sectors and latch plates.</p> <p>(4) The number of contacts required on circuit controller. . . . .</p> <p>(5) Push button or other optional parts. See Plates G2010 and G2015</p>	51400-2 Gr. 12

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## Type A Table Interlocker Horizontal Locking

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Fig. No.	Name	Drawing Reference
<b>Order by plate, figure number and name</b>		
B	Type A Table Interlocker Complete, eleven unit, has horizontal locking. Furnish a locking sheet to show the interlocking required between units and specify the make up of each unit of the assembly as outlined in Fig. A. ....	51400-2 Gr. 11
C	Type A Table Interlocker Complete, ten unit, has horizontal locking. Furnish a locking sheet to show the interlocking required between units and specify the make up of each unit of the assembly as outlined in Fig. A. ....	51400-2 Gr. 10
D	Type A Table Interlocker Complete, nine unit, has horizontal locking. Furnish a locking sheet to show the interlocking required between units and specify the make up of each unit of the assembly as outlined in Fig. A. ....	51400-2 Gr. 9
E	Type A Table Interlocker Complete, eight unit, has horizontal locking. Furnish a locking sheet to show the interlocking required between units and specify the make up of each unit of the assembly as outlined in Fig. A. ....	51400-2 Gr. 8
F	Type A Table Interlocker Complete, seven unit, has horizontal locking. Furnish a locking sheet to show the interlocking required between units and specify the make up of each unit of the assembly as outlined in Fig. A. ....	51400-2 Gr. 7
G	Type A Table Interlocker Complete, six unit, has horizontal locking. Furnish a locking sheet to show the interlocking required between units and specify the make up of each unit of the assembly as outlined in Fig. A. ....	51400-2 Gr. 6
H	Type A Table Interlocker Complete, five unit, has horizontal locking. Furnish a locking sheet to show the interlocking required between units and specify the make up of each unit of the assembly as outlined in Fig. A. ....	51400-2 Gr. 5
J	Type A Table Interlocker Complete, four unit, has horizontal locking. Furnish a locking sheet to show the interlocking required between units and specify the make up of each unit of the assembly as outlined in Fig. A. ....	51400-2 Gr. 4

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## Type A Table Interlocker Horizontal Locking

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>	
K	Type A Table Interlocker Complete, three unit, has horizontal locking. Furnish a locking sheet to show the interlocking required between units and specify the make up of each unit of the assembly as outlined in Fig. A.....	51400-2 Gr. 3
L	Type A Table Interlocker Complete, two unit, has horizontal locking. Specify the interlocking required between the two units and the make up of each unit as outlined in Fig. A.....	51400-2 Gr. 2
1	Type A Table Interlocker Unit Complete, with banner type indicators, see Plate G2003. <b>Specify the following:</b> (a) Number of indicators, the labeling and position of each, the voltage on which indicators are to operate and if A.C. specify frequency. See Plate G2019 for indicators. (b) The voltage on which lock is to operate and if A.C. specify frequency. See Plate G2003 Figs. 52 and 53, for standard lock coils. (c) The notching of lock sector and the latch plate required. See Plate G2017 for sectors and latch plates. (d) The number of contacts required on circuit controller. (e) Auxiliary devices, if any.....	51400-1
1a	as above, except with light type indicators. See Plate G2004. <b>Specify the following:</b> (a) Number of indicators, the color and position of each, the voltage and type of lamp. See Plate G2015. (b) The voltage on which lock is to operate and if A.C. specify frequency. See Plate G2003 Figs. 52 and 53, for standard lock coils. (c) The notching of latch sector and the latch plate desired. See Plate G2017 for sectors and latch plates. (d) The number of contacts required on circuit controller. (e) Auxiliary devices, if any.	
2	Locking Base Complete. For details and order references see Plate G2021.....	51401 Gr. 1