TERMINALS

DESCRIPTION OF INSIDE DISTRIBUTION TERMINALS

Contents

1. GENERAL

1.01 This section describes the standard types of distribution cable terminals which are available for use within buildings.

1.02 Issue 2 of this section has been prepared to bring the descriptive information into agreement with the design changes and additions that have been made to improve the series of inside distribution terminals and also to delete information on certain types of terminals which are no longer standard.

2. GA TYPE CABLE TERMINAL BOX

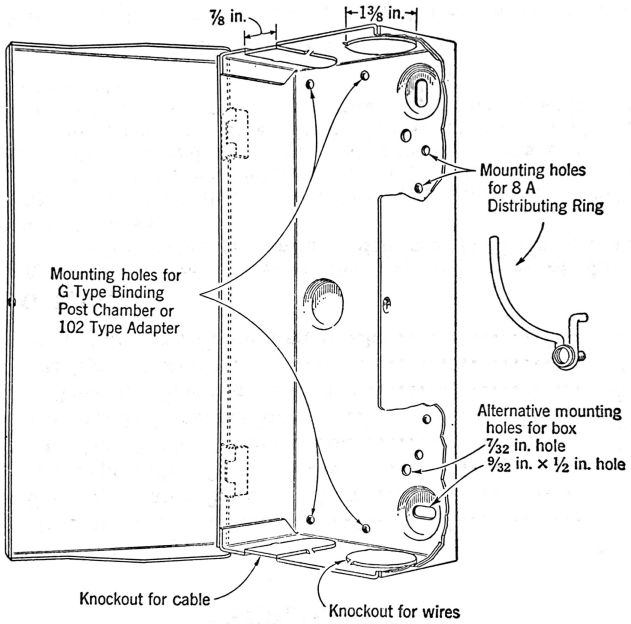
2.01 The GA Type Cable Terminal Box, a sheet metal housing having an olive-green finish, is available in three sizes designed primarily to accommodate G11, G16 and G26 Binding Post Chambers. However, when it is necessary to terminate textile insulated cable in the GA boxes, 30 or 31 Type Connecting Blocks can be substituted for the chambers by using 102B, 102C and 102D Adapters with the 11, 16 and 26-pair blocks, respectively.

2.02 The overall dimensions and an illustration of the GA Type Cable Terminal Box follow:

Overall Dimensions
(Inches)

Boxes	Height	Width	Depth
GA11	10-3/16	4-1/2	2-9/16
GA16	13-5/16	4-1/2	2-9/16
GA26	19-9/16	4-1/2	2-9/16

GA TYPE CABLE TERMINAL BOX



Separate parts furnished with each box.
One 8 A Distributing Ring together with washer and machine screw.
Four machine screws for mounting chamber or adapter.
One P-375610 Closure for wire entrance hole.

3. GB TYPE CABLE TERMINAL BOX

3.01 The GB Type Cable Terminal Box is similar to the GA Type Cable Terminal Box as regards its appearance and the terminating equipment which it will accommo-

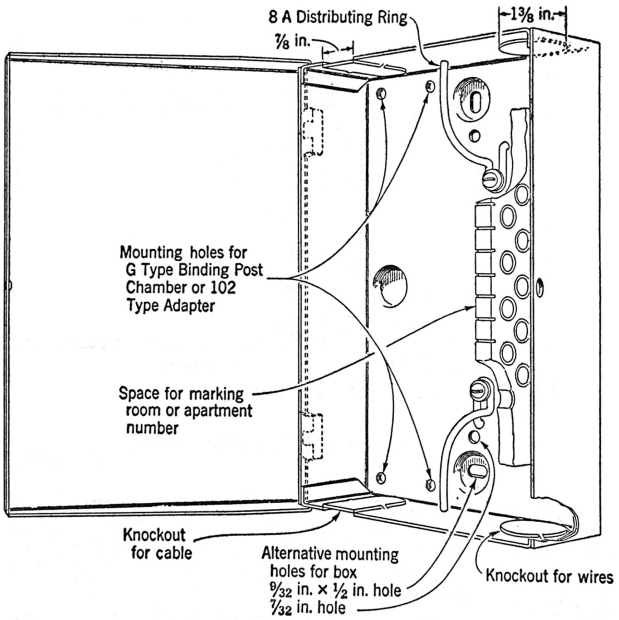
date. However, it is wider and is furnished equipped with facilities for storing slack in the station wires and for identifying the locations to which these wires are run.

3.02 The overall dimensions and an illustration of the GB Type Cable Terminal Box follow:

Overall Dimensions
(Inches)

Boxes	Height	Width	Depth
GB11	10-3/16	6-7/8	2-9/16
GB16	13-5/16	6-7/8	2-9/16
GB26	19-9/16	7-3/8	2-9/16

GB TYPE CABLE TERMINAL BOX

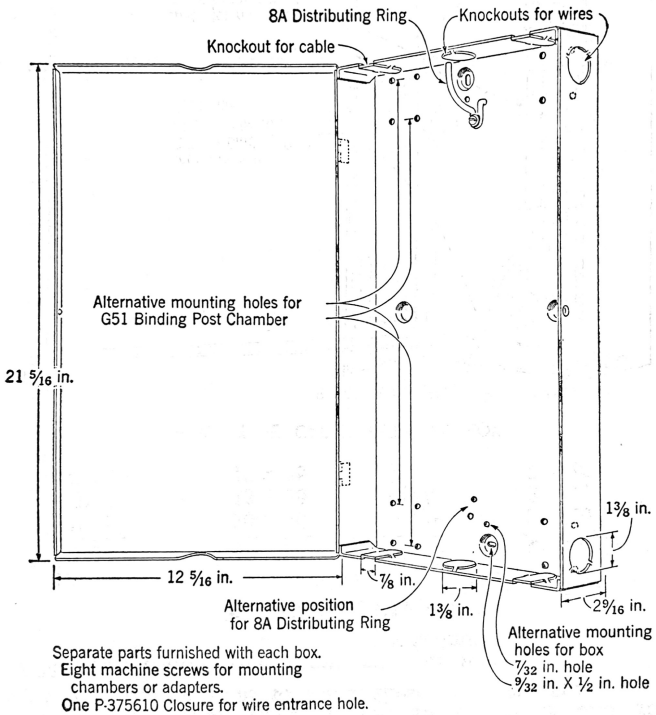


Separate parts furnished with each box.
Four machine screws for mounting chamber or adapter.
One P-375610 Closure for wire entrance hole.

4. GC TYPE CABLE TERMINAL BOX

4.01 The GC Type Cable Terminal Box is available in three sizes designed primarily for use where a small cross-connecting terminal is required. However, the GC102 box shown in the following illustration may be used with a G51 Binding Post Chamber where it is necessary to install a distribution terminal of more than 26-pair capacity. For a detail description of the GC102 box refer to Section G61.125.

GC102 CABLE TERMINAL BOX

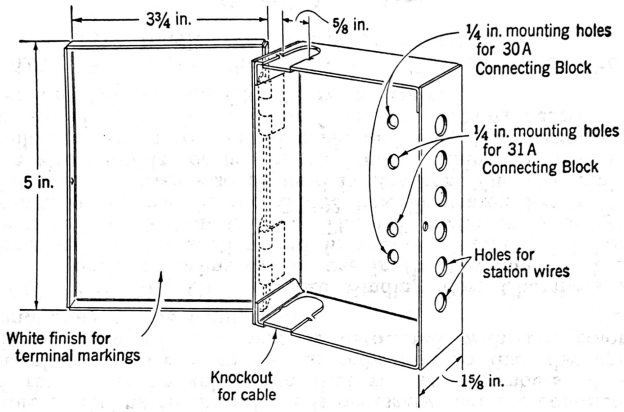


Separate parts furnished with each box.
Eight machine screws for mounting chambers or adapters.
One P-375610 Closure for wire entrance hole.

5. HS6 CABLE TERMINAL BOX

5.01 The HS6 Cable Terminal Box, a sheet metal housing having a black finish, is designed to accommodate a 30A or 31A Connecting Block. The connecting block is attached by means of the anchoring devices used for mounting the box. The inside surface of the cover is finished with flat white paint to provide a suitable surface for cable pair markings, etc.

HS 6 CABLE TERMINAL BOX



6. G TYPE BINDING POST CHAMBER

6.01 The G Type Binding Post Chamber, illustrated in Paragraph 6.06, is a sealed chamber having olive-green finished sheet metal parts, a phenol fibre face plate and a wooden fanning strip which can be mounted on either side of the chamber. A 26-gauge pulp insulated stub cable enters through a soldered connection at one end of the chamber and terminates on binding posts in rear of the face plate. This type of chamber is available in 11, 16, 26 and 51-pair sizes and is equipped with 6, 12, or 25-foot stub cables. The chambers can also be obtained in pairs connected by a 50-foot length of cable and singly without stubs. The nipples of the G11, G16 and G26 chambers will accommodate corresponding sizes of lead covered textile insulated cables but it is necessary to equip the G51 chamber with a special chamber end (P-290232) for this type of cable.

6.02 Viewing the G11, G16 and G26 chambers from the front with the stub cable at the top, the green conductor of each cable pair is connected to the right-hand

binding post and the white conductor to the left-hand post. The first cable pair is connected to the top pair of binding posts and the tracer or blue-red cable pair appears at the bottom.

6.03 Viewing the G51 chamber from the front with the stub at the bottom, the green conductor of each cable pair is connected to the right-hand binding post and the white conductor to the left-hand post. The stub cable is terminated on four-rows of binding posts, the left-hand row of binding post pairs being connected to cable pairs 1 to 25 beginning at the end opposite the stub entrance, and the right-hand row to pairs 26 to 51. The tracer or blue-red cable pair appears at the bottom of the right-hand row of binding post pairs.

6.04 When a chamber is installed with the stub cable entering at the end opposite that described above, it is necessary that the conductors of this cable be spliced so that the cable terminations appear in the same relative positions on the face plate. When a chamber is installed with the stub cable extending to the side, it is necessary that the conductors of this cable be spliced so that the pair numbers of the chamber increase from left to right and so that the upper binding post of each pair is associated with the colored conductors of the main cable.

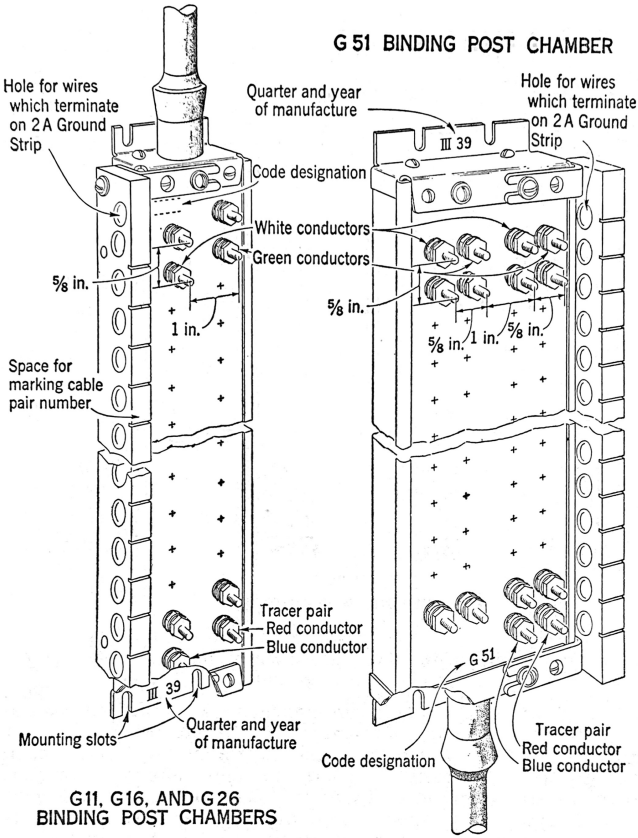
6.05 The G11, G16 and G26 Binding Post Chambers are designed primarily for use in the GA and GB boxes described in this section and in the GC32 and GC52 boxes described in Section G61.125. The G51 chamber is designed primarily for use in the GC102 box illustrated herein. The G26 chamber may also be used in this box. The G chambers are also suitable for use in the built-in cabinets provided by building owners to conceal cable and wire terminations and in the H and L Type Cable Terminal Sections described in Sections G61.125 and G61.129, respectively.

6.06 The overall dimensions and illustrations of the G Type Binding Post Chamber follow:

Overall Dimensions (Inches)

Chambers	*Height	Width	Depth
G11	10-3/8	3	1-3/4
G16	13-1/2	3	1-3/4
G26	19-3/4	3	1-3/4
G51	19-3/4	4-3/8	1-7/8

*Dimensions from bottom of base to top of nipple.



G11, G16, AND G26
BINDING POST CHAMBERS

7. 102 TYPE ADAPTER

7.01 The 102B, 102C and 102D Adapters are intended primarily as mountings for the 11, 16 and 26-pair sizes of 30 or 31 Type Connecting Blocks, respectively, when textile insulated cable, or station wires used as cable, is terminated in the GA, GB and GC Type Cable Terminal Boxes. The adapters are also suitable for use on the backboards of cable terminal sections and in built-in terminal cabinets The 102C Adapter is illustrated in Paragraph 7.04.

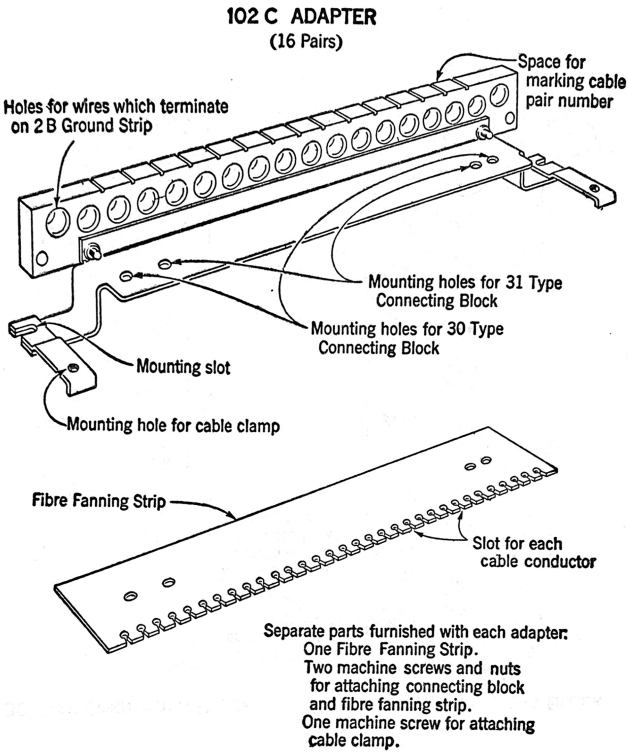
7.02 A fibre fanning strip is furnished with each adapter and it serves to retain the cable conductors in their proper positions without the necessity of sewing the cable form. This strip is placed between the connecting block and the adapter and it is secured in this position by means of the machine screws and nuts supplied for attaching the connecting block to the adapter.

7.03 Two additional mounting holes are provided in the 102B Adapter to permit of mounting two 31A Connecting Blocks (6-pair each). An elongated hole is provided at the center of the 102D Adapter in order that the 26-pair connecting block can be fastened at three points as an aid in preventing breakage when the block is furnished with the cable terminated. The mounting holes described in this paragraph are for the use of the shop forces and therefore no additional screws and nuts are furnished with the adapters for use in the field.

7.04 The overall dimensions and an illustration of the 102 Type Adapter follow:

Overall Dimensions
(Inches)

Adapters	Height	Width	Depth
102B	9-5/8	2-3/4	1-7/8
102C	12-3/4	2-3/4	1-7/8
102D	19	2-3/4	1-7/8



8. 30 AND 31 TYPE CONNECTING BLOCKS

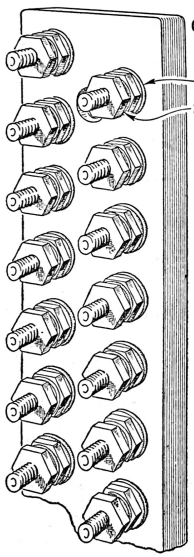
8.01 The 30 and 31 Type Connecting Blocks are available in 6, 11, 16 and 26-pair sizes for use in terminating textile insulated cables and wires. The 30 type block is so designed that both the cable conductors and the station or cross-connecting wires are terminated on the binding posts. The 31 type block is so designed that only the station or cross-connecting wires are terminated on the binding posts, the cable conductors being soldered to lugs located along one side of the block.

8.02 The overall dimensions and illustrations of the 30 and 31 Type Connecting Blocks follow:

Overall Dimensions
(Inches)

Connecting Blocks	Size	Height	Width		Depth	
			30	31	30	31
30A and 31A	6-pr.	4-3/16	1-1/2	2	1-3/16	1-1/32
30B and 31B	11-pr.	7-5/16	1-1/2	2	1-3/16	1-1/32
30C and 31C	16-pr.	10-7/16	1-1/2	2	1-3/16	1-1/32
30D and 31D	26-pr.	16-11/16	1-1/2	2	1-3/16	1-1/32

30 TYPE CONNECTING BLOCK



31 TYPE CONNECTING BLOCK