

#1

SUPERSEDED FILE
Capt. O'Connell

INSTRUCTION BOOK

FOR

TERMINAL STRIPS ✓ TM-184-T1 AND ✓ T2

OBSOLETE
Authority: *Equipment Obsolete*
Date:



Lower only

RESTRICTED

PUBLISHED BY AUTHORITY
OF
THE CHIEF SIGNAL OFFICER

FEBRUARY 10, 1938

Fort Monmouth Signal Laboratory Library

**PROPERTY OF TECHNICAL LIBRARY
FOR REFERENCE**

NOT TO BE TAKEN FROM THIS ROOM

Copy 1

INSTRUCTION BOOK
FOR
TERMINAL STRIPS TM-184-T1 AND T2

R E S T R I C T E D

Notice:- This document contains information affecting the national defense of the United States within the meaning of the Espionage Act (U.S.C. 50:31, 32). The transmission of this document or the revelation of its contents in any manner to any unauthorized person is prohibited.

The information contained in documents marked RESTRICTED will not be communicated to the public or to the press, but it may be communicated to any person known to be in the service of the United States, and to persons of undoubted loyalty and discretion who are cooperating in governmental work. (AR 330-5)

Published by Authority
of
The Chief Signal Officer

February 10, 1938

TABLE OF CONTENTS

	<u>Page</u>
SECTION I. GENERAL USE AND DESCRIPTION	1
1. General Use	1
2. General Description	1
SECTION II. DETAILED DESCRIPTION	2
3. Terminal Plate	2
4. Cover	2
5. Mounting Bracket	2
SECTION III. INSTALLATION	2
6. Procedure	2

LIST OF ILLUSTRATIONS

Photographs

- Fig. 1 TERMINAL STRIPS TM-184-T1 AND T2, FRONT VIEW, COVERS CLOSED
- Fig. 2 TERMINAL STRIPS TM-184-T1 AND T2, REAR VIEW
- Fig. 3 TERMINAL STRIPS TM-184-T1 AND T2, FRONT VIEW, COVERS OPEN
- Fig. 4 TERMINAL STRIPS TM-184-T1 AND T2, FRONT VIEW, COVERS OPEN, LINE WIRE INSTALLED
- Fig. 5 TERMINAL STRIPS TM-184-T1 AND T2, FRONT VIEW, COVERS CLOSED, LINE WIRE INSTALLED

INSTRUCTION BOOK

FOR

TERMINAL STRIPS TM-184-T1 AND T2

SECTION I

GENERAL USE AND DESCRIPTION

1. General Use. Terminal Strips TM-184-T1 and T2 were developed as a replacement for Terminal Strip TM-84-A, and to satisfy the following military characteristics.

a. The terminal strip to be not more than 12 inches in length and not more than 3 inches in width.

b. To provide terminal facilities for 7 through-metallic circuits.

c. To be provided with a snug, easily adjustable cover for protecting the terminal posts from dust and moisture.

d. Terminal posts to be of the same type as are used on Switchboards BD-71 and BD-72. (Binding Post TM-175)

2. General Description. Terminal Strips TM-184-T1 and T2 differ only as regards overall length, due to a difference in binding-post spacing. The T1 model is 12 inches long by 2-7/8 inches wide and in accordance with the military characteristics in this respect as mentioned in paragraph 1a above. The T2 model is 15-1/4 inches long by 2-7/8 inches wide, which is 3-1/4 inches longer than permitted by the military characteristics, but the binding posts are somewhat more accessible than in the T1 model. The terminal strip comprises a bakelite plate upon which are mounted seven pairs of Binding Posts TM-175 strapped across to seven pairs of Binding Posts TM-175 permitting cross connection of seven through circuits. A canvas cover is provided as protection against dust and moisture. The cover is fastened by a Talon slide fastener and draw string. A metal strap is provided for mounting the terminal strip. The T1 model weighs 1-3/4 pounds and the T2 model weighs 2 pounds.

SECTION II

DETAILED DESCRIPTION

3. Terminal Plate. The terminal plate is of black phenolic material (bakelite) mounting 28 Binding Posts TM-175 and 14 brass connecting straps. The binding posts of the T1 model are mounted on 13/16-inch vertical spacing, and the binding posts of the T2 model are mounted on 1-1/16-inch vertical spacing. The binding posts are of the pin type in which a steel pin is forced through the insulation of field wire and into contact with the stranded conductor upon screwing down upon a knurled nut. Hence it is not necessary to remove the insulation from the wire before making a connection.

4. Cover. A snug-fitting, olive-drab, water-proofed, cotton-duck cover is attached to the rear of the terminal plate with an opening down the face of the plate. The sides of the opening are equipped with a Talon slide fastener. The bottom of the cover is left open for entrance of the line wires. A draw string is provided at the bottom.

5. Mounting Bracket. An aluminum-alloy bracket is attached to the rear of the terminal plate with holes at the top and bottom for mounting the terminal strip.

SECTION III

INSTALLATION

6. Procedure. Mount the terminal strip securely to a convenient upright such as a tree, wall, board, or pole by means of nails or screws into the upright through the holes of the terminal-strip mounting bracket. Slide back the Talon fastener and open the cover. Connect the incoming-line wires in pairs to adjacent binding posts down one side of the terminal strip starting at the top and working down. Connect the outgoing-line wires in a similar manner to the respective binding posts down the opposite side of the terminal strip. Form the wiring as shown in Fig. 4 and close the cover as shown in Fig. 5. In connecting the wires to the binding posts first unscrew the knurled nut as far as it will go to fully expose the slot. Insert the wire in the slot and screw the knurled nut fully home. In disconnecting, unscrew the nut fully before withdrawing the wire from the slot. Do not under any circumstances partially unscrew the nut and jerk on the wire because such action will injure the pin of the binding post.



Fig. 1

SIGNAL CORPS LABORATORIES, FORT MONMOUTH, NEW JERSEY.			
DATE	1-19-38	NO.	38-4-A
		TITLE:	TERMINAL STRIPS TM-184-T1 AND T2, FRONT VIEW, COVERS CLOSED

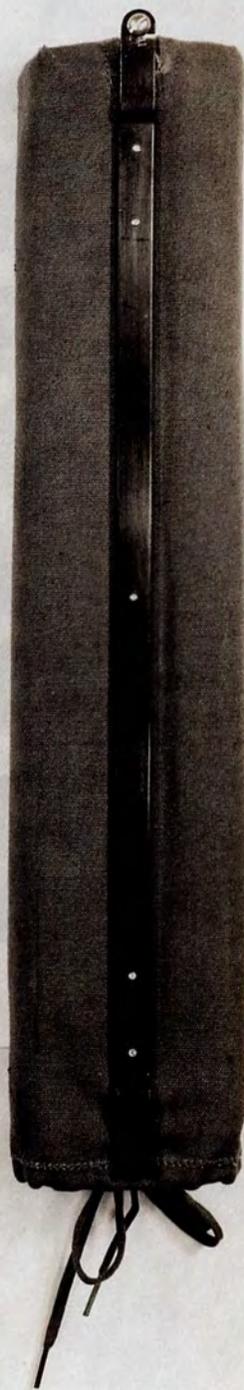
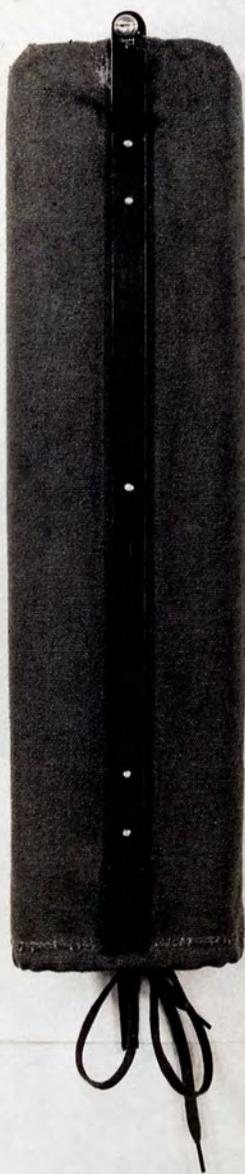


Fig. 2

SIGNAL CORPS LABORATORIES, FORT MONMOUTH, NEW JERSEY.

DATE 1-19-38

NO. 38-4-B

TITLE:

TERMINAL STRIPS
TM-184-T1 AND T2, REAR VIEW



Fig. 3

SIGNAL CORPS LABORATORIES, FORT MONMOUTH, NEW JERSEY.

DATE 1-19-38

NO. 38-4-C

TITLE:

TERMINAL STRIPS
TM-184-T1 AND T2, FRONT VIEW,
COVERS OPEN



Fig. 4

SIGNAL CORPS LABORATORIES, FORT MONMOUTH, NEW JERSEY.

DATE

1-19-38

NO.

38-4-D

TITLE:

TERMINAL STRIPS
TM-184-T1 AND T2, FRONT VIEW,
COVERS OPEN, LINE WIRE INSTALLED

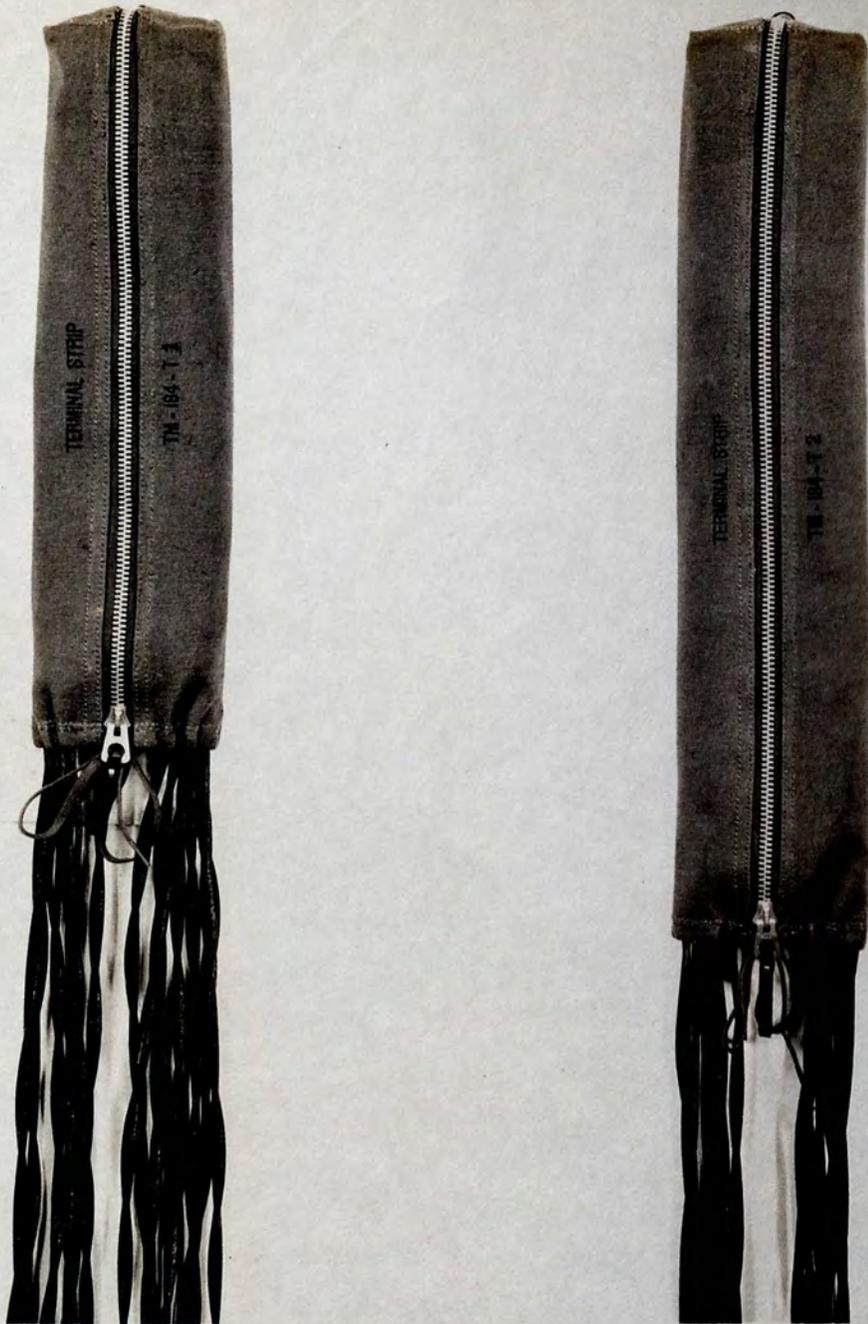


Fig. 5

SIGNAL CORPS LABORATORIES, FORT MONMOUTH, NEW JERSEY.

DATE	1-19-38	NO.	38-4-E	TITLE:	TERMINAL STRIPS TM-184-T1 AND T2, FRONT VIEW, COVERS CLOSED, LINE WIRE INSTALLED
------	---------	-----	--------	--------	--

