

CIVIL AIR DEFENSE WARNING SYSTEM

STATION LINE TEST

USING TEST CIRCUIT SD-95746-01

COMMON SYSTEMS

1. GENERAL

1.01 This section describes the use of station line test circuit SD-95746-01 for testing a particular warning station independently of the dial pulse receiving and code distributing circuit for the 200-line unit, or of the dial pulse receiving and control circuit for the 5- or 8-line units, of the civil air defense warning system for disseminating warning signals.

1.02 This section is reissued principally to add a table showing the meanings of the yellow, blue, red, and white signals where (a) the white signal sounds the sirens as the "all clear" signal, and (b) the blue signal sounds the sirens as the ALERT signal. The latter arrangement is the result of a change recommended by the Federal Civil Defense Administration.

1.03 This test checks that the proper lamp will light and the ringer sound at the station.

1.04 The services of an assistant will be required at the location of the station under test.

1.05 WARNING: Permission MUST be obtained from the Telephone Company CADW network control supervisor before any tests are performed on this equipment. All other Telephone

Company personnel who may be concerned shall be informed when tests are to be conducted, and both the control supervisor and other concerned Telephone Company personnel shall be informed when the tests are completed and the equipment is restored to service.

1.06 Lettered Steps: The letter a, b, and c, etc, is added to a step to indicate that the step covers an action which may or may not be required, depending on local conditions. The conditions under which a lettered step or series of steps should be made are given in the ACTION column and all steps governed by the same condition are designated by the same letter. When a condition does not apply, the associated steps should be omitted.

2. APPARATUS

2.01 Testing Cord - W2W Cord, 10 feet long, equipped with No. 310 Plug, two KS-6278 Clips (2W17C Cord or equivalent), and two No. 108 Cord Tips (for use in establishing test connections on the terminal strip of the 200-line unit).

2.02 Testing Cord - W3A Cord, 12 feet long, equipped with No. 310 Plug, three KS-6780 Clips, and three No. 108 Cord Tips (3W3A Cord) (for use in establishing test connections on the terminal strip of the 5- or 8-line units).

3. PREPARATION

STEP

ACTION

VERIFICATION

- | | | |
|----|---|--|
| 1a | If testing 200-line unit -
Insert No. 310 plug of W2W cord into TLT
(test line test) jack of station line test
circuit. | |
| 2a | On the unit terminal strip, connect KS-6278
clips of tip (white) and ring (blue) con-
ductors to the T and R punchings, respec-
tively, of the station under test. | |
| 3b | If testing 5- or 8-line unit -
Insert No. 310 plug of W3A cord into TLT
(test line test) jack of station line test
circuit. | |

<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
4b	On the unit terminal strip, connect KS-6780 clips of tip (white), ring (blue), and sleeve (red) conductors to the T, R, and T1 punchings, respectively, of the station under test.	
5b	Insulate contacts of the relays associated with the station under test, as shown in Table 1 or 2.	

TABLE 1

CIRCUIT SD-95685-01 - 5-LINE UNIT		
<u>Station (Line)</u>	<u>Relays</u>	<u>Contacts</u>
1	R & Y	3B
2	R1 & Y1	6T
3	R1 & Y1	3T
4	R1 & Y1	3B
5	R1 & Y1	6B

TABLE 2

CIRCUIT SD-95743-01 - 8-LINE UNIT		
<u>Station (Line)</u>	<u>Relays</u>	<u>Contacts</u>
1	R1 & Y1	6T
2	R1 & Y1	3T
3	R1 & Y1	3B
4	R1 & Y1	6B
5	R2 & Y2	6T
6	R2 & Y2	3T
7	R2 & Y2	3B
8	R2 & Y2	6B

4. METHOD

<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
	<u>TO RESTORE THIS EQUIPMENT TO SERVICE at any step in the progress of the test, immediately remove all test connections and, if used, insulators from relay contacts, and then restore the LT key.</u>	
6	Establish a talking circuit with assistant at location of station under test. Where an "audible only" signal indicator is provided disregard reference to lamps.	
7	Operate LT (line test) key.	LT (line test) lamp lighted.
8	Operate Y key.	Verify with assistant that Y lamp (yellow signal) is lighted and ringer sounds.
9	Restore Y key.	Verify with assistant that Y lamp is extinguished and ringer is silenced.
10	Operate B key.	Verify with assistant that B lamp (blue signal) is lighted and ringer sounds.

<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
11	Restore B key.	Verify with assistant that B lamp is extinguished and ringer is silenced.
12	Operate R key.	Verify with assistant that R lamp (red signal) is lighted and ringer sounds.
13	Restore R key.	Verify with assistant that R lamp is extinguished and ringer is silenced.
14	Operate W key.	Verify with assistant that W lamp (white signal) is lighted and ringer sounds.
15	Restore W key.	Verify with assistant that W lamp is extinguished and ringer is silenced.
16	Remove all test connections.	
17b	If testing 5- or 8-line unit - Remove insulators from contacts of relays associated with station under test.	
18	Restore LT key.	LT lamp extinguished.

WARNING: This key MUST be restored to normal position to restore the associated dial pulse receiving circuit to service.

TABLE 3

<u>Signal Indicator Set (White Used for "All Clear" Signal)</u>	
Y	Yellow Confidential Warning Signal
B	Blue Warning Signal (not used) ← <i>Now</i>
R	Red Alert Signal
W	White "All Clear" Signal
<u>Signal Indicator Set (Blue Used for ALERT Signal)</u>	
Y	Yellow Confidential Warning Signal
B	Blue <u>ALERT</u> Signal
R	Red <u>TAKE COVER</u> Signal
W	White <u>Confidential</u> Warning Signal

TABLE C
on
ISSUE
of Practice

TELEGRAPH
RETURN TO
DRWG. FILE

5TH FLR. -- TWX	
9TH FLR. -- TGH	
7TH FLR. -- TGH	