

NIGHT CLOSING AND ALARM CIRCUIT SD-65898-01
FOR USE WITH 1- OR 2-TYPE TELEPHONE CONSOLE
OR SUPERVISORY CABINET
OPERATION TESTS
701B PBX

1. GENERAL

1.01 This section describes a method of testing the operating features of the night closing and alarm circuit SD-65898-01, arranged for audible and visual alarm indications of alarm and miscellaneous supervisory signals at the telephone console or traffic supervisory cabinet and the routing of alarm signals to a central office during a night closing condition.

1.02 The tests covered are:

A. Minor and Major Alarms From PBX — Telephone Console Display (Y Option):

This test checks that a minor alarm from the PBX gives a visual signal at the telephone console and a major alarm gives an audible and visual signal at the telephone console.

B. Minor and Major Alarms From PBX — Traffic Supervisory Cabinet Display (Z Option):

This test checks that a minor alarm from the PBX gives a visual signal at the traffic supervisory cabinet and a major alarm gives an audible and visual alarm at the traffic supervisory cabinet.

C. Miscellaneous Supervisory Signals: This test checks that an audible buzzer alarm is given at the traffic supervisory cabinet when an attendant calls for supervisory assistance and that an audible buzzer alarm is given at the supervisory cabinet when calls are waiting to be served.

D. Night Closing: This test checks that when the NITE key is activated at either the telephone console or the traffic supervisory cabinet that minor and major alarms are routed to the central office (when X option

is provided) and that the PBX is placed in night closing condition.

E. Alarm Cutoff — Telephone Console (Y Option): This test checks that the audible alarm is retired when the alarm cutoff (ACO) key is momentarily operated.

F. Alarm Cutoff — Traffic Supervisory Cabinet Display (Z Option): This test checks that the buzzer alarm is retired when the alarm cutoff (ACO) key is momentarily operated.

1.03 The tests require action and verification at the telephone console, traffic supervisory cabinet, unit under test, and the central office.

1.04 The night closing and alarm unit may not be removed from service. When performing tests the central office, attendant, and traffic supervisor should be notified that false alarm signals will occur during the testing period. If a major alarm condition exists, after the false test alarm has been cleared, the performance of the test should be stopped immediately and the alarm condition reported in accordance with local operating instructions.

1.05 When performing Tests E and F, it should be noted that AC1 relay, if operated, is released by the operation of MA relay. An audible alarm will sound if a major alarm is registered.

1.06 When a step requires a key to be depressed and the key is nonlocking, it should be momentarily depressed, then released.

1.07 Tests A, B, C, E, and F should be made at a time when the normal operation of the PBX will not be affected.

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1.08 Test D should be made only during normal night closing conditions during periods of light traffic.

1.09 *Lettered Steps:* A letter a, b, c, etc, added to a step number in Part 3 of this section, indicates an action which may or may not be required depending on local conditions. The condition under which a lettered step or a series of lettered steps should be made is given in the ACTION column, and all steps governed by the same condition are designated by the same letter within a test. Where a condition does not apply, all steps designated by that letter should be omitted.

2. APPARATUS

All Tests

2.01 Blocking tools as required. Use tools and apply as covered in Section 069-020-801.

Test C

2.02 One supervisory headset, 52BW type or equivalent.

Test D

2.03 Test receiver, 716E receiver, attached to a W2AB cord equipped with two 360A tools (2W21A cord) or equivalent; one KS-6278 connecting clip; and one 411A (test pick) tool (for use in checking the presence or absence of battery or ground).

3. METHOD

STEP	ACTION	VERIFICATION
A. Minor and Major Alarms From PBX — Telephone Console Display (Y Option)		

Minor Alarm

1	At unit under test — Block operated AL relay.	At telephone console — AL lamp lighted. No audible alarm heard.
2	At unit under test — Remove blocking tool from AL relay.	At telephone console — AL lamp extinguished.

Major Alarm

3	At unit under test — Block operated MA relay.	MA1 relay operated. At telephone console — AL lamp flashed at 60 ipm. Audible alarm sounded.
4	At unit under test — Remove blocking tool from MA relay.	MA1 relay released. At telephone console — AL lamp extinguished. Audible alarm silenced.

B. Minor and Major Alarms From PBX — Traffic Supervisory Cabinet Display (Z Option)

Minor Alarm

1	At unit under test — Block operated AL relay.	At supervisory cabinet — AL lamp lighted. No audible alarm sounded.
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STEP	ACTION	VERIFICATION
2	At unit under test — Remove blocking tool from AL relay.	At supervisory cabinet — AL lamp extinguished.
Major Alarm		
3	At unit under test — Block operated MA relay.	MA1 relay operated. At supervisory cabinet — MA (RED) lamp lighted. Buzzer alarm sounded.
4	At unit under test — Remove blocking tool from MA relay.	MA1 relay released. At supervisory cabinet — MA (RED) lamp extinguished. Buzzer alarm silenced.

C. Miscellaneous Supervisory Signals

Attendant Calls For Supervisory Assistance

1	At telephone console — Momentarily operate SUPV key.	SUPV lamp lighted steadily. At unit under test — SR, SR1 relays operated. At supervisory cabinet — Buzzer alarm sounded.
3	At telephone console — Plug headset into console supervisor jack.	SUPV lamp extinguished. At unit under test — SR, SR1 relays released. At supervisory cabinet — Buzzer alarm silenced.

Calls Waiting

3	At unit under test — Block operated CW relay.	CW1 relay operated. At supervisory cabinet — Buzzer alarm sounded at 120 ipm.
4	At unit under test — Remove blocking tool from CW relay.	CW1 relay released. At supervisory cabinet — Buzzer alarm silenced.

D. Night Closing

1a	At telephone console (Y option) — Operate NITE key.	At unit under test — NC, NC1 relays operated. At telephone console — NITE lamp lighted steadily.
2b	At supervisory cabinet (Z option) — Operate NITE key.	At unit under test — NC, NC1 relays operated. At supervisory cabinet — NITE lamp lighted steadily.

STEP	ACTION	VERIFICATION
F. Alarm Cutoff Traffic Supervisory Cabinet Display (Z Option)		
1	At unit under test — Block operated AL, MA relays.	At supervisory cabinet — MA (RED) lamp lighted. Buzzer alarm sounded.
2	Momentarily operate ACO key.	Buzzer alarm silenced.
3	Remove blocking tool from MA relay.	MA (RED) lamp extinguished. AL lamp lighted steadily.
4	Remove blocking tool from AL relay.	AL lamp extinguished.