

CIRCUIT DESCRIPTION

CD-5DO17-01  
ISSUE 2M  
APPENDIX 2B  
DWG ISSUE 12B  
DISTN CODE BT13

**5ESS® SWITCHING EQUIPMENT  
AUDIBLE AND VISUAL ALARM  
CIRCUIT**

REASON FOR REISSUE

Provide new feature I1152 to allow the audible visual alarm indicators to be remoted via modems and normal telephone lines.

*Description of Changes*

1. Modify FS3, 4, APP Fig. 3 and CAD Fig. 3; Add FS12 and APP Fig. 7; Remove note 310 and add notes 311 through 315.

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**5ESS® SWITCHING EQUIPMENT**  
**AUDIBLE AND VISUAL ALARM**  
**CIRCUIT**

*Changes*

*Changes in Apparatus*

- B.1 Added lamp type -48ESB, note 4/FS1A, note 4/FS7A, APP. FIG. 1A, 2, 4A, & 5.
- B.2 Removed lamp 48PSB5, Note 4/FS1A, note 4/FS7A, APP. FIG. 1A, 4A, and lamp 48PSB6, APP. FIG. 2, and lamp 48PSB, APP. FIG. 5.

*Description of Changes*

- D.1 FS1A has been revised to change note 4 from 48PSB5 to 48ESB and note 5 from FS3 to FS2.
- D.2 FS2 has been revised to identify options "S" and "Z", add FS1A to single audible alarm wiring, and move note 104 comment from exit pilot lamp wiring to remote alarm relay unit wiring.
- D.3 FS4 has been revised to identify option "T", and add options "T" and "W" and "or telemetry equipment" to other alarm reporting equipment wiring.
- D.4 FS6 and BD2A have been revised to add FS1A to wiring information and block diagram.
- D.5 FS7A has been revised to change "see note 9" to "see note 309", change note 4 from 48PSB5 to 48ESB, and correct tbn/tbp wiring and add note 109 comment.
- D.6 FS8, FS9, FS10, FS11 have been revised to add FS7A to wiring information.
- D.7 Circuit notes was revised to add note 109.
- D.8 Equipment notes was revised to add note 310.
- D.9 Cad 3 was revised to add "or telemetry equipnmet" to other alarm reporting equipment wiring, and remove option "N" from TS(E) on RARU "to office alarm unit" and add option "N" to option "W" at TS(E), and swap options "W" and "T" at TS(F) on RARU.

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DEPT-NAC120700-WFG-SDS

**SESS® SWITCHING EQUIPMENT  
AUDIBLE AND VISUAL ALARM  
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**1. GENERAL DESCRIPTION**

**1.1 PURPOSE OF CIRCUIT**

This circuit provides both audible and visual alarm indications in a SESS® Host Office, SESS RSM Office, or a SESS Multimodule RSM Office.

**1.2 GENERAL DESCRIPTION OF OPERATION**

Building/Power alarms are detected by miscellaneous scan or distribute points. The audible alarm circuit pack (TN137) (miscellaneous cabinet) provides isolation between the scan/distribute points and audio/visual alarm indicators found in the switching office. Three alarm levels are provided.

**CRITICAL** - To alert maintenance personnel to a critical service affecting condition that requires an imperative response.

**MAJOR** - To alert maintenance personnel to a serious exchange trouble requiring an immediate response.

**MINOR** - To alert maintenance personnel to an output message of an informative nature that does not require an immediate response.

**2. DETAILED DESCRIPTION**

1. See SD5D007-01 for specific assignments of building/power alarms in a SESS office.

**3. REFERENCE DATA**

**3.1 WORKING LIMITS**

None.

**3.2 FUNCTIONS**

Provides audible and visual building/power alarm indications in a SESS Host Office or a SESS RSM Office.

**3.3 CONNECTING CIRCUITS**

When this circuit is listed on an application schematic, the connecting information thereon is to be followed.

a. Office Alarm Unit -SD5D008-01 Remote Alarm Unit

b. Miscellaneous Cabinet - SD5D130-01

c. Remote Audible Visual Alarm Unit - NE00312-31

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