ALARM CABINET
CENTRAL OFFICE, PBX OR
AUXILIARY TELEPHONE REPEATER STATION
EQUIPMENT DESIGN REQUIREMENTS
COMMON SYSTEMS

1. GENERAL

Scope

1.01 This specification, together with the supplementary information listed herein, covers the equipment design requirements for the framework for an alarm cabinet and for the equipment and circuits, located therein and indicating trouble conditions in a distant office, a private branch exchange, or an auxiliary telephone repeater station.

1.02 This specification is reissued to revise it and broaden its use by adding requirements for central office and auxiliary telephone station alarms.

Description

1.03 The alarm cabinet is designed for mounting the keys and lamps associated with the alarm circuits which indicate trouble conditions in a community dial office, a private branch exchange, an auxiliary telephone repeater station, or another central office. The circuits provide for both audible and visual alarm signals and also indicate the nature of the trouble by means of colored lamps. An alarm of serious nature is indicated by a red lamp, while a minor trouble condition is indicated by a white lamp. An additional white lamp in the circuit indicates when the trouble at the distant office, private branch exchange, or auxiliary telephone repeater station has been cleared. A common bell provides the audible feature for the alarms, and individual keys are used to control the operation of the bell and lamps associated with the alarm circuits and in case of an auxiliary telephone repeater station to recheck and reset the alarm circuit at the repeater station. A common key is provided in certain cases for transferring the alarm signals to the central office annunciator cabinet.

1.04 The alarm cabinet is of wood construction and available in two sizes. The smaller cabinet has a capacity of 20 alarm circuits for connecting to a combined total of 20 PBX's, distant offices, or auxiliary telephone repeater stations except that the number of repeater stations is limited to a maximum of five. The larger cabinet has a capacity of 30 alarm circuits for connecting to a combined total of PBX's, distant offices, or auxiliary telephone repeater stations except the number of repeater stations is limited to a maximum of five.

1.05 The relay rack equipment associated with the alarm circuits is mounted as miscellaneous equipment on a relay rack in the central office.

Subdivisions of Equipment

ED-90753-01, Group—Group 1 or Group 7—Lamp Signal and Jack Cabinet

2. SUPPLEMENTARY INFORMATION

800-600-000—List of General Equipment Equipment Requirements Sections
801-000-000—Equipment Design and General Equipment Requirements and Engineering Information—Common Systems

3. DRAWINGS

Circuits

SD-12989-01—Switchboard No. 1, 1C, 1D, 9C, 10, or 11—Alarm Circuit
SD-96217-01—Extension Alarm Circuit

Framework

ED-90753-01—Lamp Signal and Jack Cabinet—Assembly and Cabling

Equipment

ED-10606-01—Switchboards No. 1, 1C, 1D, 9C, 10 or 11 and PBX Alarm Equipment
ED-90454-01—Alarm Circuit—Central Office, PBX or Auxiliary Telephone Repeater Station Equipment

4. EQUIPMENT

ED-90753-01—Lamp Signal and Jack Cabinet Assembly and Cabling

Group 1—Cabinet with 5-1/2" jack opening and dull mahogany medium No. 105A finish
Group 7—Cabinet with 8-7/8" jack opening and dull mahogany medium No. 105A finish

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5. GENERAL NOTES

5.01 The alarm cabinet is usually located on a wall or column near the local test desk, as specified by the Telephone Company. In manual offices where a tripping relay alarm cabinet is provided, the alarm cabinet is located adjacent to this cabinet on the wall or column.

6. NONUNIT EQUIPMENT

Manual Systems—Switchboards No. 1, 1C, 1D, 9C, 10 or 11 SD-12989-01

Common Systems—Extension Alarm Circuit SD-96217-01

6.01 The key and lamp equipment associated with these circuits is located in the alarm cabinet and is cabled to the relay equipment which is located on the miscellaneous relay rack, and also to the resistance lamps located on the fuse board. The bell is mounted on top of the alarm cabinet, unless otherwise specified.