

STATION EQUIPMENT

Station Key Systems and Special Telephone Equipment
Type 87 Handset - Power Supply Unit

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1. GENERAL

1.01 This section covers the power supply unit for use in intercommunicating circuits with Type 87 handsets.

1.02 Section 5-52.20.5 outlines the use of No. 6 dry cells for the common talk circuit and a step-down transformer for the buzzers used in signaling in the intercommunicating system. A power supply unit is available which provides AC and DC power for the circuit when Type 87 handsets are used.

1.03 The approval of the Commercial and Plant Departments is required for the installation of the power supply unit. In most cases, dry cells for the common talk circuit and the transformer for the buzzers as specified in Section 5-52.20.5 will provide a satisfactory and economical power source and are preferable.

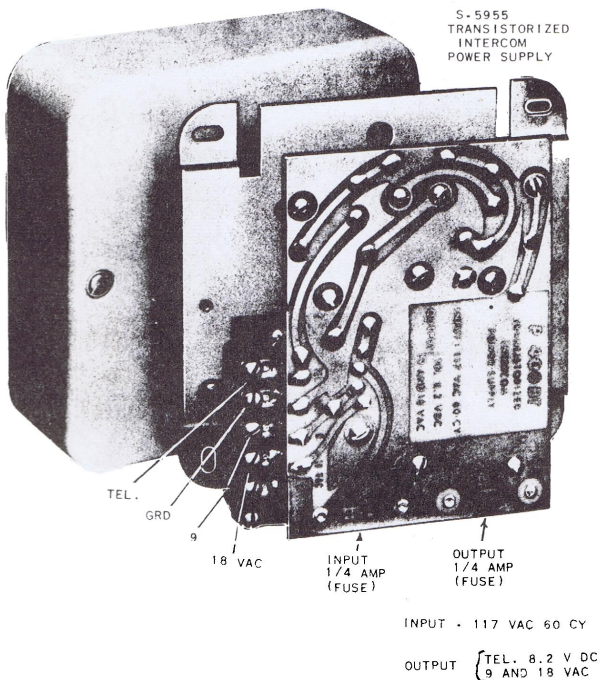
NOTE: If it is considered desirable to use a power supply unit for a multiple line installation with Type 87 handsets, this unit must be ordered on an LT77 for approval by the General Plant Superintendent.

2. DESCRIPTION AND USE OF POWER SUPPLY UNIT

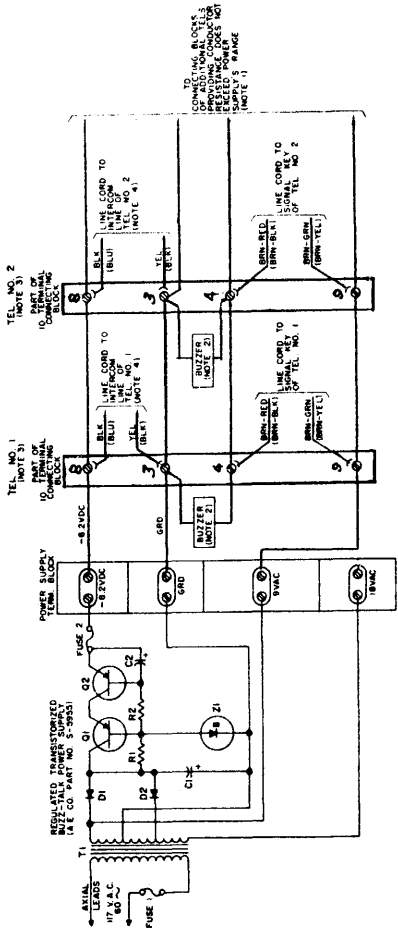
2.01 The power supply unit is illustrated on page 3. It contains a transformer with transistors, diodes, capacitors and resistors arranged to produce 8.2 volts DC for the common talk circuit and 9 and 18 volts AC for the buzzer circuit. The 18-volt AC output is for use on long loops.

NOTE: The buzzers must be of the 125-ohm AC (O-E) type for proper operation. No more than 5 buzzers should be connected in multiple to the power supply unit.

2.02 The unit is provided with a beige cover measuring 5-1/4" x 5-1/4" x 2". The power cord is not furnished and must be ordered separately. The length should be specified to meet the installation requirements. A clamp and connectors are provided with the unit for the cord.



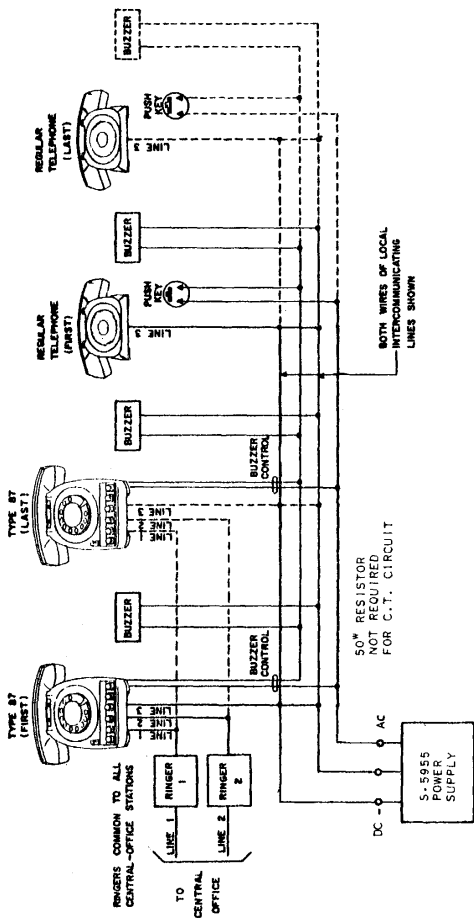
2.03 The circuit of the power supply unit is shown on page 4 .



- NOTES:
1. NO MORE THAN FIVE BUZZERS SHOULD BE CONNECTED IN MULTIPLE.
 2. USE 125 OHM AC TYPE (0-E) BUZZERS.

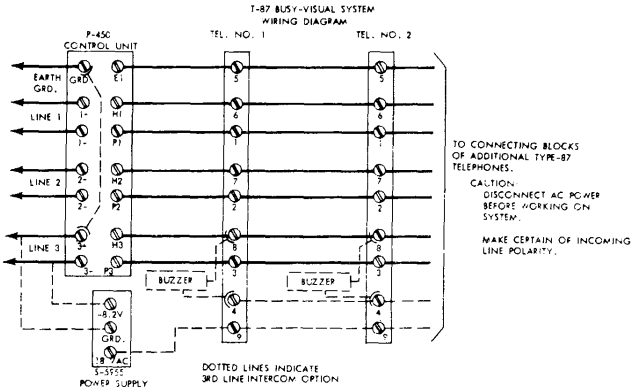
Circuit Diagram of S-5955 Power Supply Unit

2.04 The unit is designed for use in small multiple line installations with Type 87 handsets (maximum of two central office lines and five inside stations). A typical application is shown on page 5.



Multiple line installation with two central office lines and local intercommunicating line connecting additional telephones.

2.05 If a busy visual signal control unit is used in the multiple line system, the power supply unit is connected as shown below. See Section 5-52.20.7 for additional information on the control unit.



APPROVED:


General Plant Superintendent

RK Thornley
Chief Engineer