

2A AND 2B KEY TELEPHONE SYSTEMS

INSTALLATION AND MAINTENANCE

1.00 INSTALLATION

1.01 In locating 321-type or 330A telephone sets be guided by:

- Customer's selection.
- Location approximately 3 to 5 feet from operator.
- Room noise.
- Acoustic qualities of the room.
- Availability of power outlet for the 330A telephone set.

1.02 Locate and mount telephone sets, subscriber sets, keys, buzzers, and connecting blocks in accordance with sections covering this work.

1.03 Mount 112A amplifier with base of electron tube down. Locate amplifier within reach of a power outlet. There is a 1-ohm wiring limit between 321-type telephone set and 112A amplifier. Additional cable conductors may be used if necessary to meet this requirement.

1.04 Avoid locating 112A amplifier where it will be subjected to vibration.

1.05 When mounting 112A amplifier or buzzers on a metal surface, provide a wooden backboard for insulating purposes.

1.06 The pilot lamp furnished with 321-type telephone set is for operation up to 6 volts. Pilot lamp furnished with 330A telephone set is for operation at 14 to 30 volts. When higher voltages are used, these lamps must be changed.

1.07 Correct poling of ac and dc power supplies is necessary. To test dc poling, place a test set across *T* and *R* leads from secondary station at connecting block of master station and test for sidetone. Reverse power supply if sidetone is not heard. The ac polarity can be tested in same manner except that a humming sound will be heard in place of sidetone. Leave power plug in position giving minimum hum.

1.08 On occasion, the secondary station may be terminated in key telephone sets associated with other systems. In such instances, signaling button used with 2A or 2B systems must not be electrically associated with any other signaling buttons within key telephone set.

1.09 Where a transfer key is provided at master station of 2B key telephone system, each secondary station equipped with F-type handset will require a 37B varistor connected across the receiver circuit.

2.00 MAINTENANCE

Maintenance of telephone sets, subscriber sets, keys, relays, and buzzers shall be in accordance with sections covering these items.