

## KC-19™ KEY TELEPHONE UNIT NINETEEN STATION COMBINATION INTERCOM (FOR TONE OR ROTARY DIAL OR BOTH)

### 1. GENERAL

1.01 The KC-19 provides 19-station intercom selective signaling for a key telephone system using tone and/or rotary dial telephone sets.

1.02 This intercom has received FCC Type KX registration number AQT9PZ-69718-KX-E under Part 68 of FCC Rules and Regulations. It is designed to be used with all FCC KN registered Type 1A2 Key Telephone Systems.

### 2. DESIGN FEATURES

2.01 The KC-19 KTU:

- is a self-contained intercom unit for use with rotary and/or tone dialing key telephone systems.
- provides nineteen station and auxiliary equipment access codes.
- provides one-second audible signal to the station
- accepts repeated dialing without reoperating the switchhook.
- mounts in a key telephone equipment cabinet, relay rack, or directly on a wall.
- connects with an A25B or equivalent 25-pair connector cable.
- operates between -18 and -28 volts dc.
- output signaling can be prolonged by holding down the tone button.

### 3. INSTALLATION

3.01 No special installation tools are required. Instructions are provided with each unit.

3.02 Locate and secure the KC-19 housing in a 7" KTU apparatus mounting, relay rack, or on a wall.

3.03 Connect an A25B or equivalent 25-pair connector cable to the KC-19 plug and make connections as shown in Figures 2 and 4.

3.04 The arrangement shown in Figure 3 can be used by the installer to connect a KC-19 to a 66B3-50 terminal block. This wiring method utilizes the standard arrangement of an A25B connector cable. Strapped as shown, the terminal block will provide 19 terminations for T, R, LG, L, B( ) and R( ). All power connections are at the bottom of the first block.

3.05 Connections are arranged for ready replacement of a Melco KR-19 or KT-19 intercom. No changes in cabling or terminal block assignments are required.

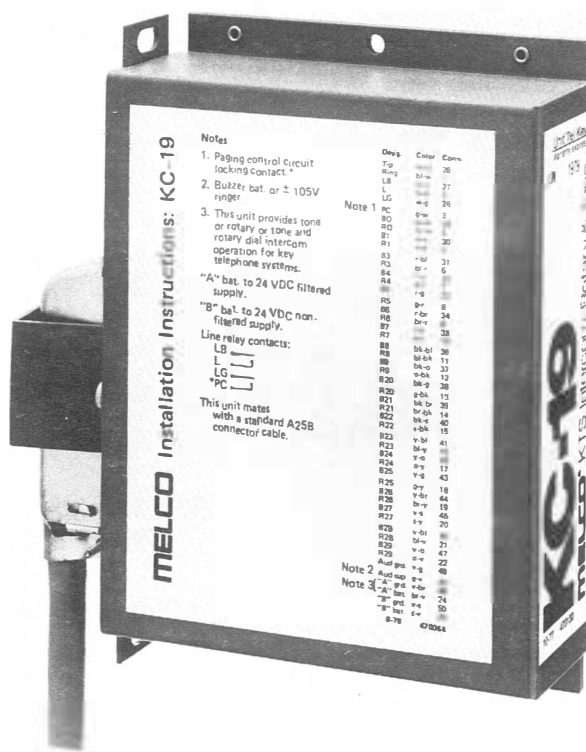


Fig. 1.

3.06 Make all grounds common.

3.07 Leads LG and PC are connected to dry contacts that close when the KC-19 is seized. The contacts can be used to lock a paging circuit



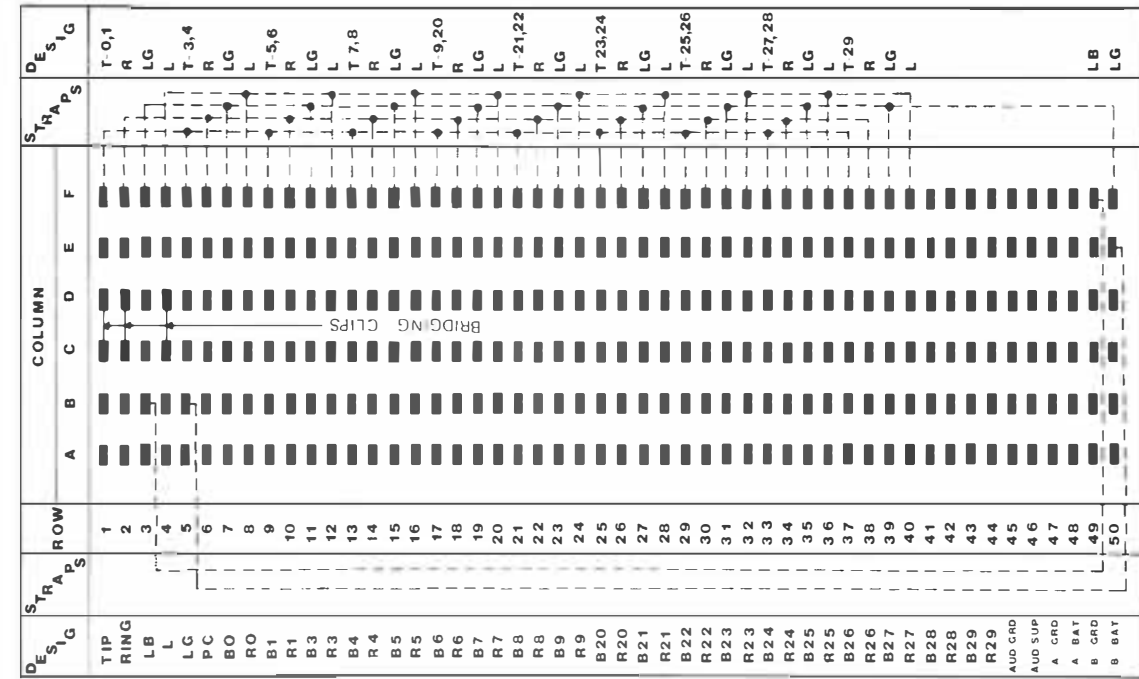


Fig. 3 — Suggested Arrangement of A25B Connector Cable, Jumpers and 66B3-50 Connecting Block.

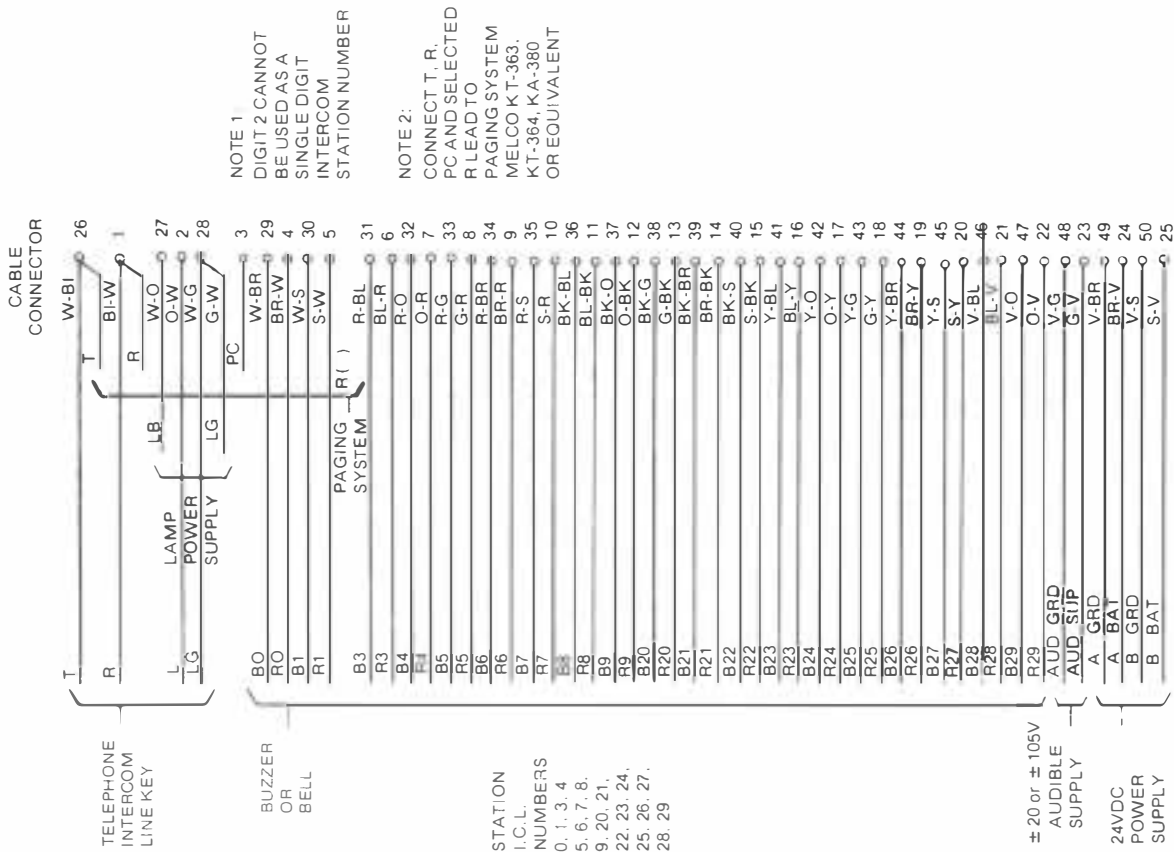


Fig. 2 — Cable and Connector for KC-19.

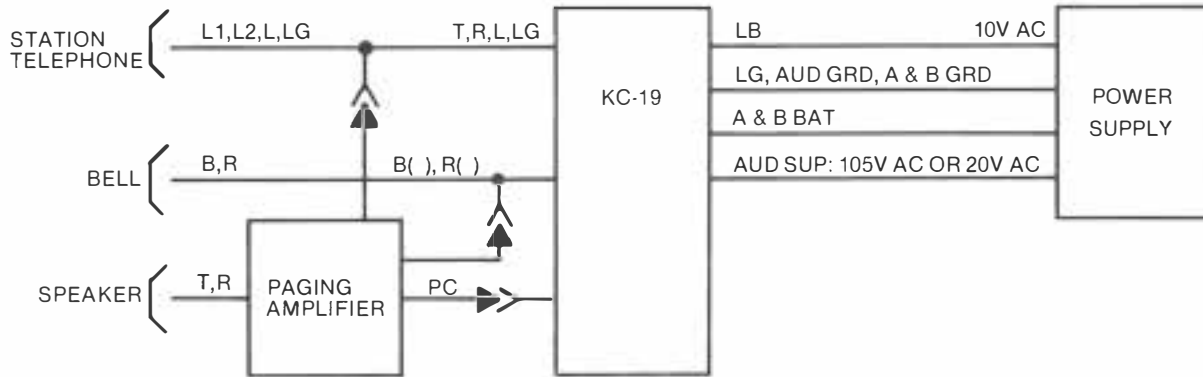


Fig. 4 — Application Schematic of KC-19.

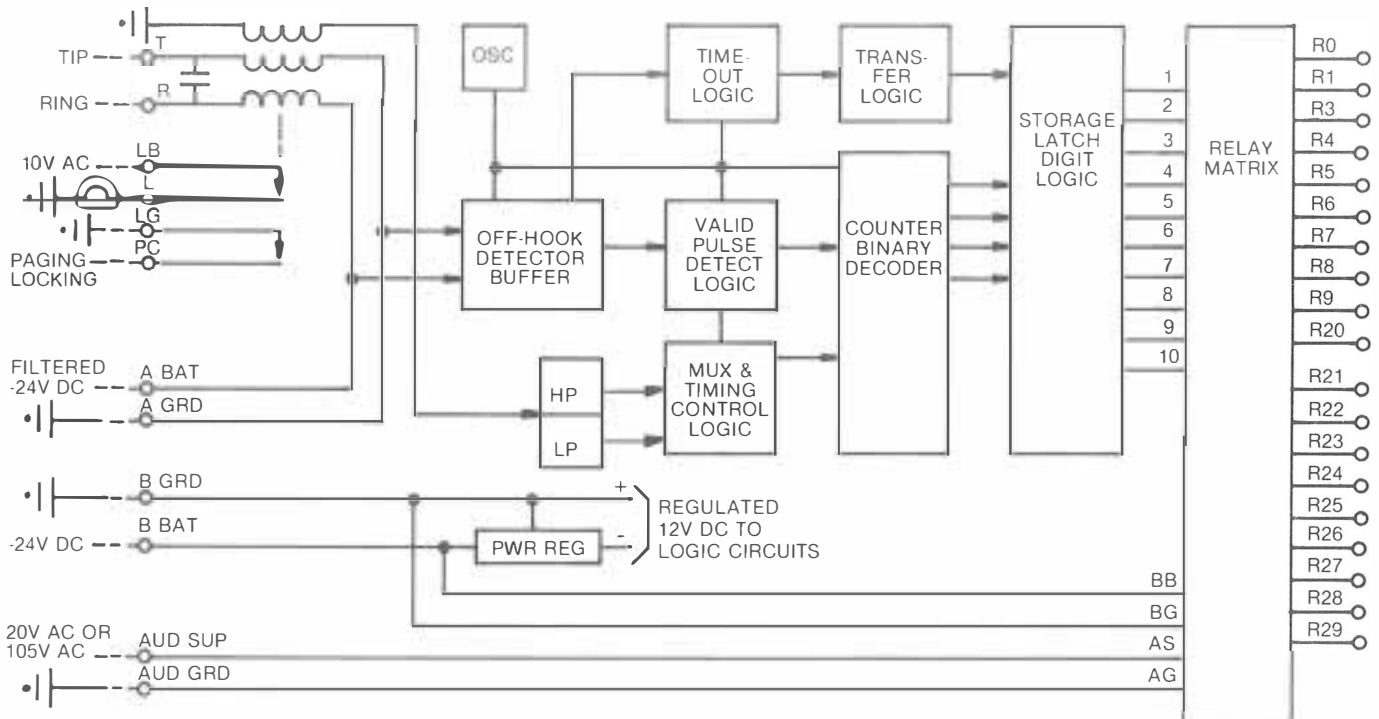


Fig. 5 — Functional Schematic of KC-19.