

3. INSTALLATION

3.01 The following are installations procedures for the M-268 Intercom Busy Unit:

(a) Mount the equipment on an apparatus cabinet mounting, in a relay rack or on a backboard.

(b) Connect two A25B or equivalent 25-pair connector cables using the clamps provided. Note that cables and plugs are designated A and B.

(c) Connect the butt ends of the cables to connecting blocks. Connecting drawings show 66B3-50 blocks with cable "cut-down" in standard sequence. See Exhibit 2.

(d) Cross connect as shown in one of the following Exhibits:

. Exhibit 1: Application schematic, can be used to verify common wiring.

. Exhibit 3: M-628 and 19 or 37 station intercom.

3.02 Key telephones require a diode inserted between the hookswitch and pick-up key of the A1-A lead. See Figure 2

3.03 Malfunctions from different voltage levels or from a blown lamp supply fuse will be avoided by adding diodes as shown in Figure 2 and by using -24 volts for lamp power when a busy lamp field is used. COMMON ALL GROUNDS.

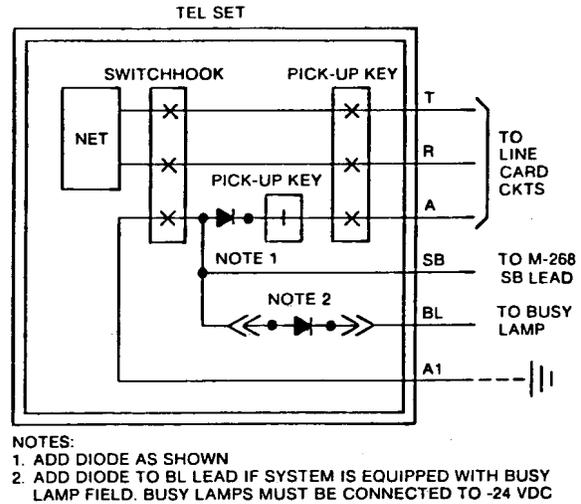


Figure 2

3.04 Note that with the M-268 (and KL-20), the audible signal supply does not connect directly to the intercom. If the intercom is in place, be certain the audible supply is removed from it and the wiring arranged as shown in the appropriate figures attached.

3.05 The M-268 has 36 station busy circuits numbered 0-25. Assign any circuit to stations as desired or use Exhibit 3.

Connect an RR() to the intercom R(). Do not remove the wiring to the bell or buzzer (or M-266A).

3.06 Should a second M-268 be required for systems over 36 stations, connect in series the AUD SUP of the first unit to the AUD 2 of the second unit and connect SG of the first unit to PC of the second unit. Connect TCOM of the second unit in parallel with TCOM of the first unit.

3.07 When all wiring is completed, call each station twice - once with the station on-hook, then with the station off-hook on a non-intercom line. When on-hook the station should ring. When off-hook, the station should not ring and busy tone should be imposed on the intercom line. The functional schematic of M-268 is shown in Figure 3.

4.02 If the M-268 must be disconnected, the intercom will remain in operation with the following temporary wiring changes:

Connect AUD 2(v-o) to AUD SUP (v-g) cable B.

Connect SG (g-v) to PC (v-br) cable B.

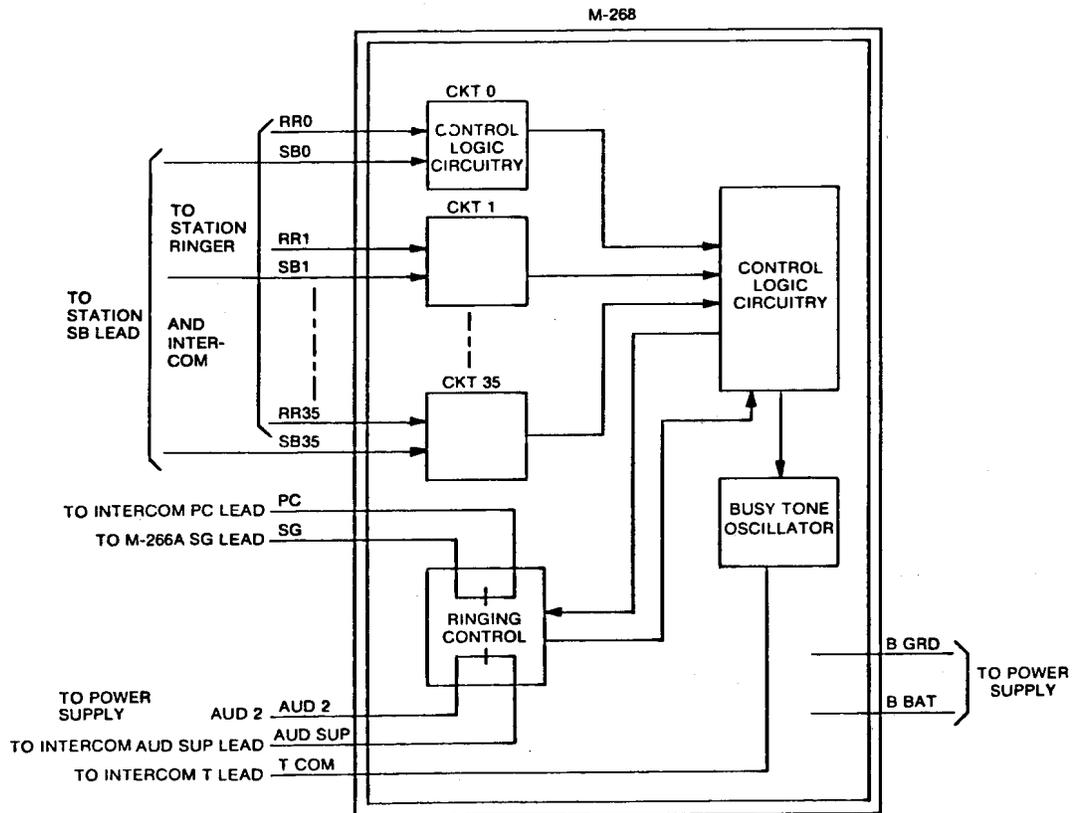


Figure 3

4. MAINTENANCE

4.01 If this unit fails to function properly, verify connections and fuses. Inspect the connector and plug for dust, corrosion or insufficient contact pressure. Test by substituting with another unit.

4.03 Return a defective unit to the supplier.

The M-268 is warranted against manufacturing and material defects for one year and will be repaired or replaced at no charge. Opening the case will void the warranty.

5. SPECIFICATIONS

5.01 Operating voltage.....18VDC to-28V DC
range -24V DC nom

Current at-24VDC.....80 maidle
150 ma operated

RR input:

input on.....10VAC to 105V ringing,
20 to 60 Hz

input off.....0 volts
detection.....10msec+20%

SB input:

input on.....0 volts or GRD
input off.....Open or -24V DC
detection.....10msec+20%

Relay contacts ratings:

SG&PC.....28VDC,2amps
AUD SUP & AUD2.....105V ringing,
0.5 amps

Operating temperature.....0° to 50° C
range (32° to 122° F)

Connections.....two A25B or equivalent
25-pair connector cables

Housing.....epoxy coated aluminum

Dimensions.....7.0" x 5.0" x 2.5"

6. ORDERING INFORMATION

6.01 Order as follows:

(QTY) M-268 INTERCOM BUSY UNIT

EXHIBIT 1

APPLICATION SCHEMATIC KC-19 INTERCOM

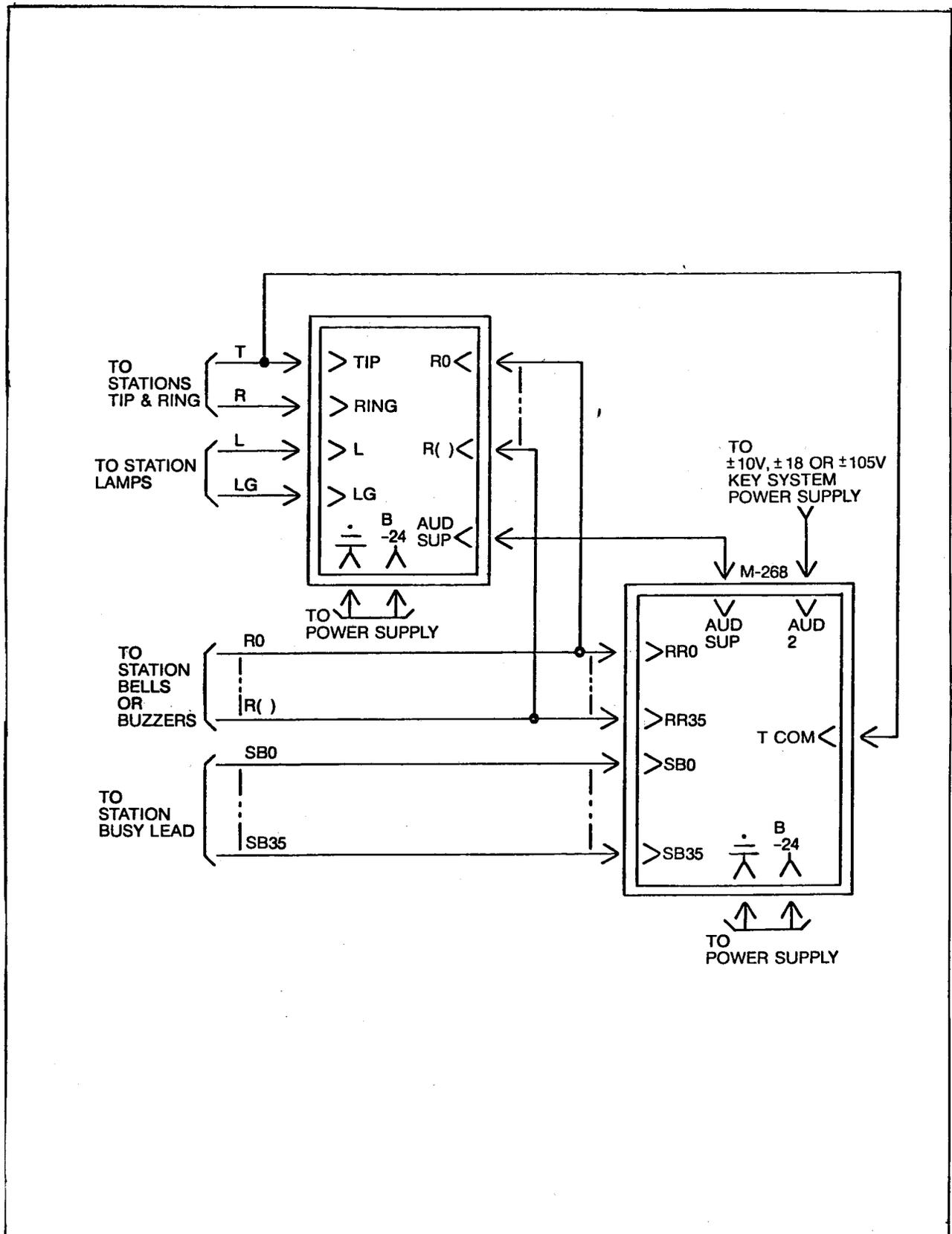


EXHIBIT 2

CONNECTIONS FOR A25B CONNECTOR CABLES
TO 66B3-50 CONNECTING BLOCKS FOR M-268 UNIT

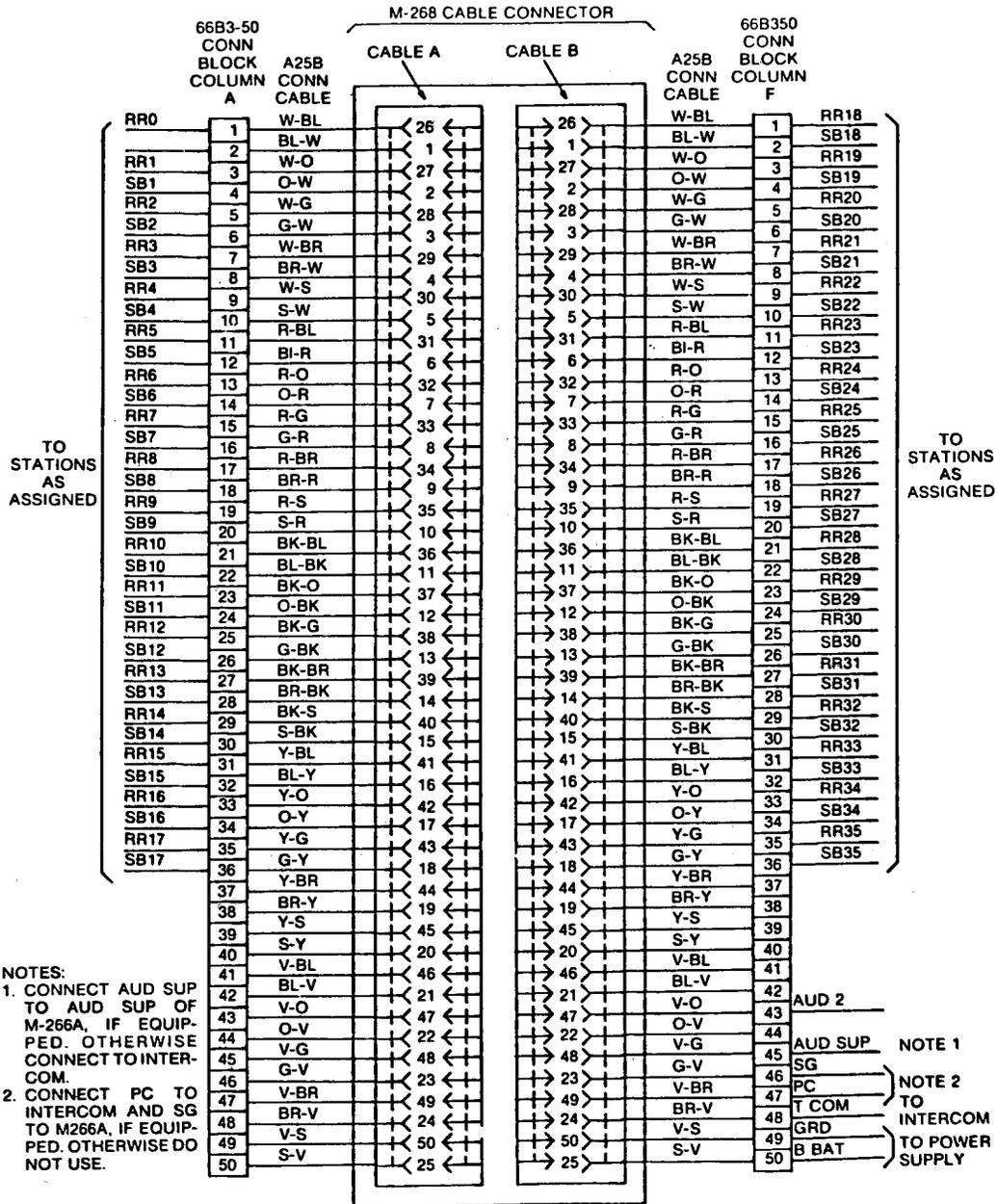


EXHIBIT 3

