

KEY PACKAGE SYSTEMS
OFF PREMISES EXTENSIONS

1. GENERAL

1.01 This section is reissued to provide updated information and instructions for installing off premises key telephone extensions. Changes are indicated by arrows.

1.02 Service requests for off premises key telephone extensions will be handled as exchange special service as covered in Joint Practice #20.

1.03 Off premises key telephone extensions may be installed by extending central office lines for the Communicator and Econo-light Key Systems.

1.04 The off premises Key Telephone System Extension service is identified by USOC Code "KSB".

1.05 Additional common equipment is required at the off premises key telephone location. Control relays are required at main and extension locations, activated by control leads between them. The control relays provide two way supervision of light and hold conditions.

1.06 Incoming calls will flash at both locations. Either location can pick up calls and the other location will change to a steady busy light. Either location can place a call on hold or break a hold condition at the other location. Wink hold indication is only available at the location placing the call on hold.

1.07 Off premises addresses for key telephone extension locations must be within the same central office area as the main station.

1.08 The off premises station of a Communicator Key System or a 6A Key System Intercommunication Line can be provided with the following features:

- (a) Audible signal only with a pick-up key on a multi-button key set or non-key set.
- (b) Audible and visual signal on incoming calls when associated with a Key Telephone System. Station equipment same as (a) above except non-key set would require external lamp (15 type indicator).
- (c) Station busy indicator when intercommunication system is in use.

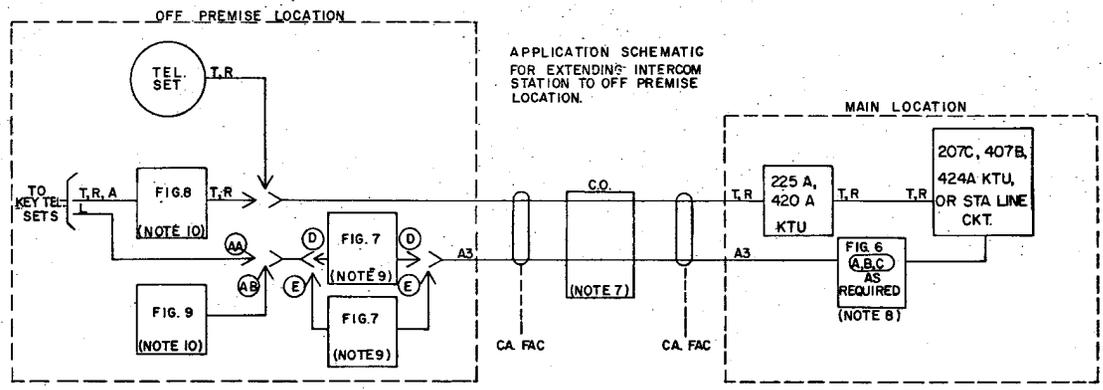
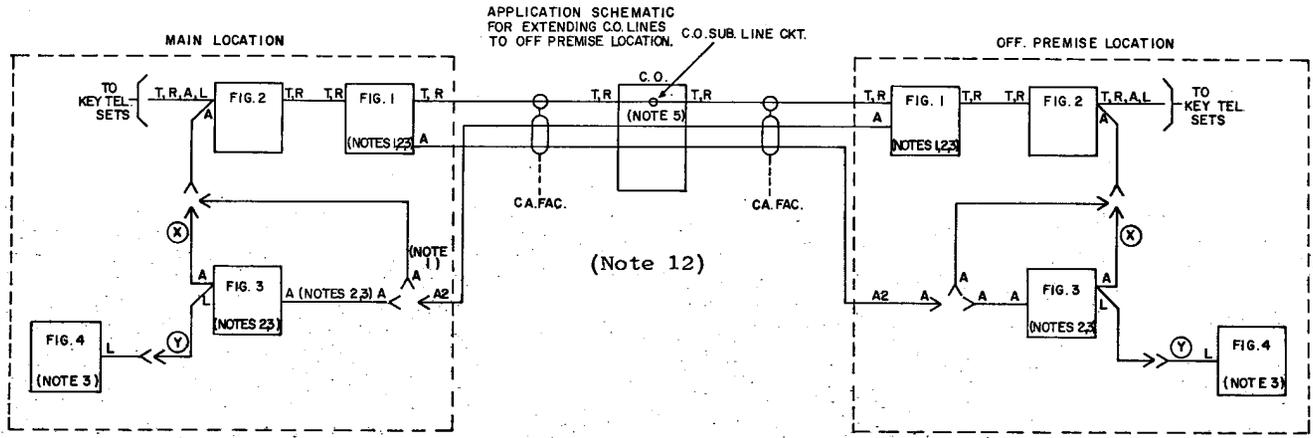
2. EQUIPMENT AND CONNECTIONS

2.01 Figures 1-3 show the equipment and connections necessary for the off premises station and the key system intercommunication line.

2.02 Control units consist of relays that can be maintained by use of Section 040-000-000.

Fig. 1

Application schematic for extending C. O. Lines and Intercom Stations to off premises location.



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FIGURE 3

Extending Intercom Station to off premises locations.

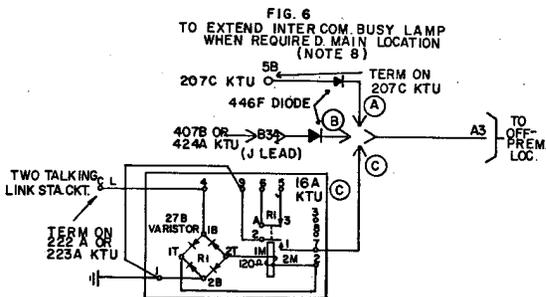
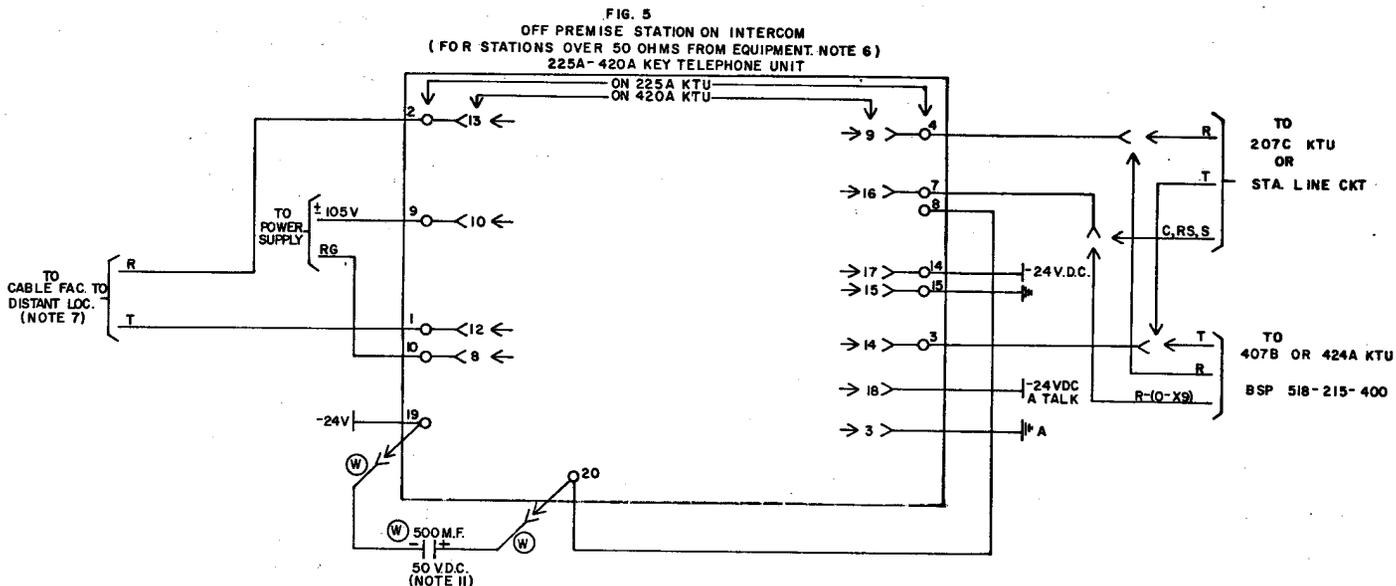
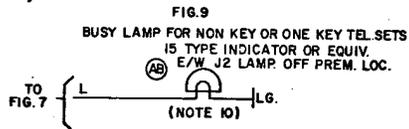
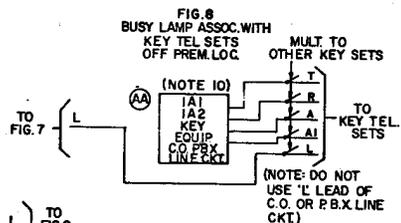
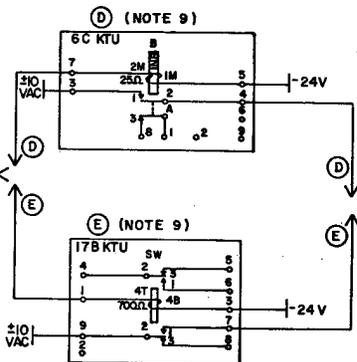


FIG. 7
TO EXTEND INTERCOM BUSY LAMP
WHEN REQUIRED OFF PREM LOC.



Notes:

- 1) PROVIDE FIG. 1 & 2 WHEN RESISTANCE OF ONE CONDUCTOR OF CABLE PAIR BETWEEN LOCATIONS IS 600 OHMS OR LESS AND C.O. LINE TERMINATES IN KEY TEL. EQUIP.
- 2) PROVIDE FIG. 1,2, 3 & X WIRING WHEN RESISTANCE OF ONE CONDUCTOR OF CABLE PAIR BETWEEN LOCATIONS IS OVER 600 OHMS AND C.O. LINE TERMINATES IN KEY TEL. EQUIP.
- 3) PROVIDE FIG. 1,3,4 & Y WIRING WHEN C.O. LINE TERMINATES IN NON-KEY OR SINGLE BUTTON KEY TEL. SET
- 4) A LEAD CONNECTS TO A2 LEAD & A2 LEAD CONNECTS TO A LEAD AT DISTANT END.
- 5) IF REQUIRED, USE 1574 INDUCTORS TO REDUCE BRIDGING LOSS
- 6) IF CABLE CONDUCTOR LOOP DOES NOT EXCEED 50 OHMS, WIRE INTERCOM STA. FROM EQUIP. IF CONDUCTOR LOOP EXCEEDS 50 OHMS PROVIDE FIG. 5.
- 7) IF CONDUCTOR LOOP RESISTANCE EXCEEDS 1000 OHMS, PROVIDE LONG LINE EQUIP. IN C.O.
- 8) PROVIDE A WIRING AND APPARATUS FOR 207C KTU.
PROVIDE B WIRING & APPARATUS FOR 407B AND 424A KTU.
PROVIDE C WIRING & APPARATUS FOR TWO TALKING LINK INTERCOM (SD-69286-01)
- 9) PROVIDE FIG. 9 & E WIRING AND APPARATUS WHEN RESISTANCE OF ONE CONDUCTOR OF CABLE PAIR BETWEEN LOCATIONS IS 800 OHMS OR LESS.
PROVIDE FIG. 9 & D WIRING AND APPARATUS WHEN RESISTANCE OF ONE CONDUCTOR OF CABLE PAIR BETWEEN LOCATIONS EXCEEDS 800 OHMS.
- 10) PROVIDE AA WIRING WHEN INTERCOM STA. TERMINATE IN A C.O. OR P.B.X. LINE UNIT AT OFF PREMISE LOCATION.
PROVIDE AB WIRING & APPARATUS WHEN INTERCOM STA. TERMINATES IN A NON-KEY OR SINGLE BUTTON KEY TEL. SET.
- 11) PROVIDE W WIRING & APPARATUS IF RING INTERVAL IS NOT LONG ENOUGH TO CAUSE KTU TO OPERATE AT DISTANT END.
- 12) THE T & R LEADS CAN USE A SINGLE CABLE PAIR FROM THE C.O. OR PBX LINE CIRCUIT OUT TO A COMMON POINT, WHERE APPLICABLE.