

INTERCOM CAPABILITIES

INTERCOM MODE #1 (Between Desk Sets)

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| 1. LIFT HANDSET | Caller's EXTENSION No. lamp is steady "on". |
| 2. DEPRESS HLD BUTTON | Caller's EXTENSION No. & HLD lamps are steady "on". |
| 3. ENTER REQUESTED EXTENSION NO.(S) | Requested EXTENSION No. will ring and the lamp for that EXTENSION lamp will flash on all desk sets. |
| 4. REQUESTED DESK SET GOES OFF-HOOK | Caller EXTENSION No. HLD & Requested Ext. No. lamps are ALL steady "on". |
| 5. CONVERSE WITH REQUESTED DESK SET EXTENSION | |

INTERCOM MODE #2
(Requested Desk Set On-Line Prior to Dialing Called Party)

NOTE: INTERCOM MODE #2 CAN BE USED IN ALL CALL PROCEDURES: FOLLOWING THE INSTRUCTIONS BELOW AND THEN PROCEED WITH THE ABBREVIATED OPERATING INSTRUCTIONS FOR THE INTENDED CALL

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| 1. LIFT HANDSET | Caller's EXTENSION No. lamp is steady "on". |
| 2. DEPRESS HLD BUTTON | Caller's EXTENSION No. & HLD lamps are steady "on". |
| 3. ENTER REQUESTED EXTENSION NO.(S) | Requested extension(s) will ring and the corresponding EXTENSION lamp will flash on all desk sets. |
| 4. DEPRESS HLD BUTTON | Caller's EXTENSION No., HLD & requested Ext. No. lamps are ALL steady "on". Converse with extension. |
| 5. MAKE PHONE CALL | Caller and requested extensions hear remaining call set-up tones and ringing. |

INTERCOM MODE #3
(Adding Additional Desk Set(s) to an Established Call)

NOTE: INTERCOM MODE #3 CAN BE USED IN ALL CALL PROCEDURES: FOLLOW THE ABBREVIATED OPERATING INSTRUCTIONS FOR THE INTENDED CALL AND THEN PROCEED WITH THE INSTRUCTIONS BELOW.

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| 1. DEPRESS HLD BUTTON | Lamp Indicators for either CLR or SEC will be steady "on" depending on intended call. |
| 2. ENTER REQUESTED EXTENSION NO.(S) | Requested extensions will ring and the corresponding EXTENSION lamp will flash on all desk sets. |
| 3. DEPRESS HLD BUTTON | All desk sets involved in the intercom are now On-Line with the called party. |
| 4. CONTINUE CONVERSATION | |

NOTE: THE CONTROLLING DESK SET CAN EXCLUDE A DESK SET(S) AT ANY TIME DURING THE CALL BY DEPRESSING THE HLD BUTTON AND THE DESK SET(S) EXTENSION NUMBER, THEN DEPRESS HLD BUTTON TO RETURN THE CALL TO A TWO-PARTY CALL.

TSEC/KY-71A
ABBREVIATED OPERATING INSTRUCTIONS

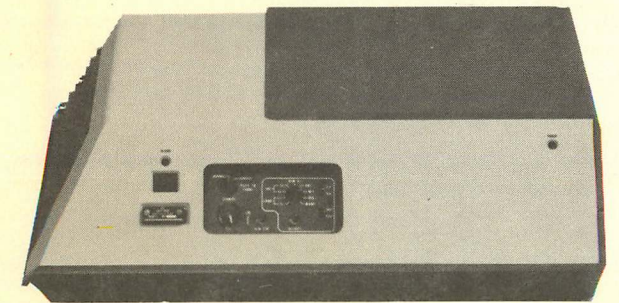
NOTE: THE FIRST HANDSET OFF-HOOK CONTROLS THE TERMINAL, ALLOWING ONLY ONE CALL AT A TIME (INCOMING OR OUTGOING.)

PROCEDURES	INDICATORS AND COMMENTS
INITIALLY CLEAR, THEN SECURE CALL	
1. LIFT HANDSET	EXTENSION No. lamp is steady "on".
2. ENTER CALLED PARTY'S 5-DIGIT ID NUMBER	CLR & SEC lamps are alternately flashing.
3. DEPRESS CLR BUTTON	Dial tone present or; KY-71 may be dialing the number stored in the Call Directory. If so proceed to Step 5.
4. DIAL CALLED PARTY'S TELEPHONE NUMBER	Dialing sequence tones present. Follow regular dialing procedures.
5. CONVERSE WITH CALLED PARTY	Caller hears dialing sequence tones/ringing when in FDx. CLR lamp is on indicating clear mode.
6. DEPRESS SEC BUTTON	Secure mode signalling tones present. Process may take 10-40 seconds before the SEC lamp is steady "on".
7. CONVERSE IN SEC MODE	
INITIALLY SECURE CALL	
1. LIFT HANDSET	EXTENSION No. lamp is steady "on".
2. ENTER CALLED PARTY'S 5-DIGIT ID NUMBER	CLR and SEC lamps are alternately flashing.
3. DEPRESS SEC BUTTON	Dial tone present or; KY-71 is dialing the number stored in the Call Directory. If so proceed to Step 5.
4. DIAL CALLED PARTY'S TELEPHONE NUMBER	Dialing sequence, secure mode signalling tones present. Process may take 10-40 seconds before the SEC lamp comes on indicating secure contact.
5. CONVERSE IN SEC MODE	
CLEAR CALL (NO SECURE CALL INTENDED)	
1. LIFT HANDSET	EXTENSION No. lamp is steady "on".
2. DEPRESS CLR BUTTON	Dial tone present.
3. DIAL CALLED PARTY'S TELEPHONE NUMBER	Dialing tones present. Follow regular dialing procedures.
4. CONVERSE IN CLR MODE	Signalling tones returned when another KY-71 answers, otherwise no tones.

FOR SERVICE, CALL 1-800-AID-KY71 (1-800-243-5971)
IN NEW JERSEY, CALL (201) 284-4700

THE TSEC/KY-71A SECURE TELEPHONE UNIT

ABBREVIATED OPERATOR'S MANUAL



ITT DEFENSE COMMUNICATIONS DIVISION

TSEC/KY-71A DESCRIPTION OF FUNCTIONS

1. TYPES OF CALLS
 - A. Initially CLEAR, Then SECURE Call: This type of call begins in plaintext (clear), then after the Secure mode sequence is completed, classified conversation is permitted.
 - B. Initially SECURE Call: This type of call is established in a Secure mode. NO conversation is possible until the SEC lamp is steady "on".
 - C. CLEAR Call: NO CLASSIFIED CONVERSATION IS PERMITTED. This type of call is never secure and would normally be placed to parties who do not have a KY-71.

2. FULL OR HALF DUPLEX
 - A. FULL DUPLEX (FDX): Allows simultaneous Secure communications in both directions between two KY-71's.
 - B. HALF DUPLEX (HDX): Allows alternate Secure communications (i.e., talking or listening) between two KY-71's. If your KY-71 is set up for HDX, the installer will inform you: (1) If you are Push-To-Talk (PTT); (2) If you are Voice Operated Switch (VOX) and (3) If your KY-71 has been installed with the option to have Extensions 4, 5 and 6 lamp indicators alternately illuminate.
 - (1) PTT: When indicator is steady "on" the desk set is in PTT HDX Secure operating mode and speech is permitted after depressing the PTT switch located on the handset.
 - (2) VOX: This mode allows alternate Secure communications passed through an automatic voice operated switch.

3. CALL DIRECTORY: The KY-71 terminal's internal Call Directory can store up to 20 frequently-called telephone numbers and their related ID numbers. Please contact your installer: _____ to load the Call Directory and explain how to use it.

4. IDENTIFICATION NUMBER (ID -): A unique five-digit identification number assigned to all KY-71 which provides positive authentication that Secure calls are completed to the intended terminal.

5. DISABLING/ENABLING DESK SET:

Example:
A. Disabled Desk Set: Prevents unauthorized use of a KY-71 desk set.

Example:
B. Enabled Desk Set: Places disabled desk set back into operation.

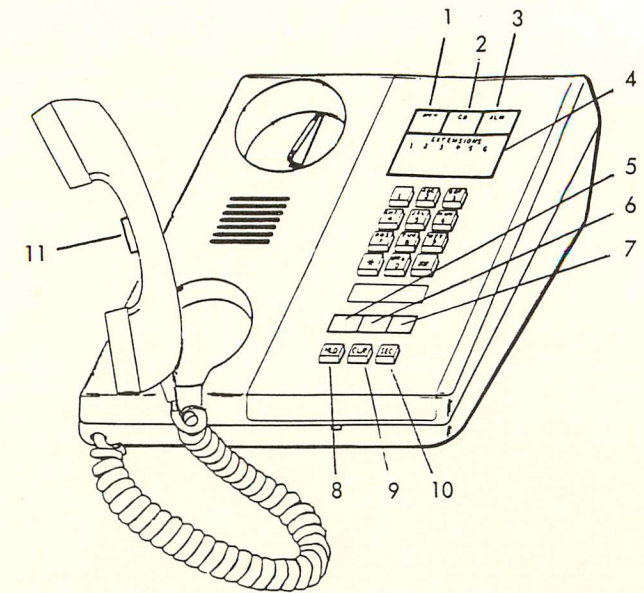
6. For more information regarding the KY-71's operations and functions, either contact your Installer or The National Security Agency, telephone: 301-688-6022, or refer to the Operator's Manual (KAO-191/TSEC) for the KY-71 SECOND GENERATION, SECURE TELEPHONE UNIT (STU-II).

NOTE: ALL REFERENCES TO KY-71 ARE ALSO APPLICABLE TO KY-71A.

DESK SET FUNCTIONS

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| 1 | PUSH-TO-TALK (PTT) INDICATOR | -Steady "on" means desk set is in PTT SECURE operating mode. Speech is permitted after depressing PTT button on the handset. |
| 2 | CONFERENCE DIRECTOR (CD) INDICATOR | -NOTE: This device is being developed and is not yet available. |
| 3 | ALARM (ALM) INDICATOR | -Steady "on" means an Operational or COMSEC Alarm occurred. NOTE: If this occurs, first go on-hook, then retry call. If ALM indicator stays "on", contact..... |
| 4 | EXTENSION 1,2,3,4, 5,6 INDICATORS | -Steady "on" means specific desk set is off-hook. "Flashing" means specific desk set is requesting or being requested to enter an Intercom Operation, and also means an incoming call. |
| 5 | HOLD (HLD) INDICATOR | -Steady "on" means desk set HLD button has been depressed and is in data or Intercom mode; "flashing" means an incoming call. |
| 6 | CLEAR (CLR) INDICATOR | -Steady "on" means a Clear call is in progress. When "blinking" alternately with SEC lamp, depress either CLR or SEC button to set-up desired call link. |
| 7 | SECURE (SEC) INDICATOR | -Steady "on" means a Secure call is in progress. When "blinking" alternately with CLR lamp, depress either SEC or CLR button to set-up desired call link. "Flashing" means Secure call set-up is in progress. |
| 8 | HOLD (HLD) PUSHBUTTON | -When off-hook and button depressed, desk set is in Intercom mode. Repressing HLD button clears that operation. HLD button used with keypad dial disables or enables the desk set. NOTE: Depressing HLD button during any call inhibits all KY-71 speech signals. |
| 9 | CLEAR (CLR) PUSHBUTTON | -Depress CLR pushbutton to either: (a) select a CLR call, or (b) abort a SEC call attempt. |
| 10 | SECURE (SEC) PUSHBUTTON | -Depress SEC pushbutton to initiate a SEC call set-up. |
| 11 | PUSH-TO-TALK (PTT) SWITCH | -Located on the handset. (See PTT indicator above.) |

DESK SET



DISABLE DESK SET/ENABLE DESK SET

DISABLE DESK SET

1. LIFT HANDSET
2. DEPRESS HLD, *, CLR BUTTONS IN SEQUENCE
3. RETURN HANDSET TO DESK SET Desk set is now disabled.
4. LIFT HANDSET Alarm (ALM) lamp should come on to verify disability.

ENABLE DESK SET

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| 1. LEFT HANDSET | EXTENSION & ALM lamps steady "on" |
| 2. DEPRESS HLD, *, SEC BUTTONS IN SEQUENCE | EXTENSION, HLD, CLR, & ALM lamps steady "on". |
| 3. ENTER ENABLE CODE NUMBER | EXTENSION, HLD, & CLR lamps steady "on"; ALM lamp "off"—if not, wrong ENABLE CODE entered. ENABLE CODE PROVIDED BY _____. |
| 4. DEPRESS HLD BUTTON | EXTENSION & CLR lamps steady "on"; HLD lamp "off" |
| 5. REPLACE HANDSET | Desk set enabled. |