

400E LINE CARD KTU (ABBREVIATED DESCRIPTION)

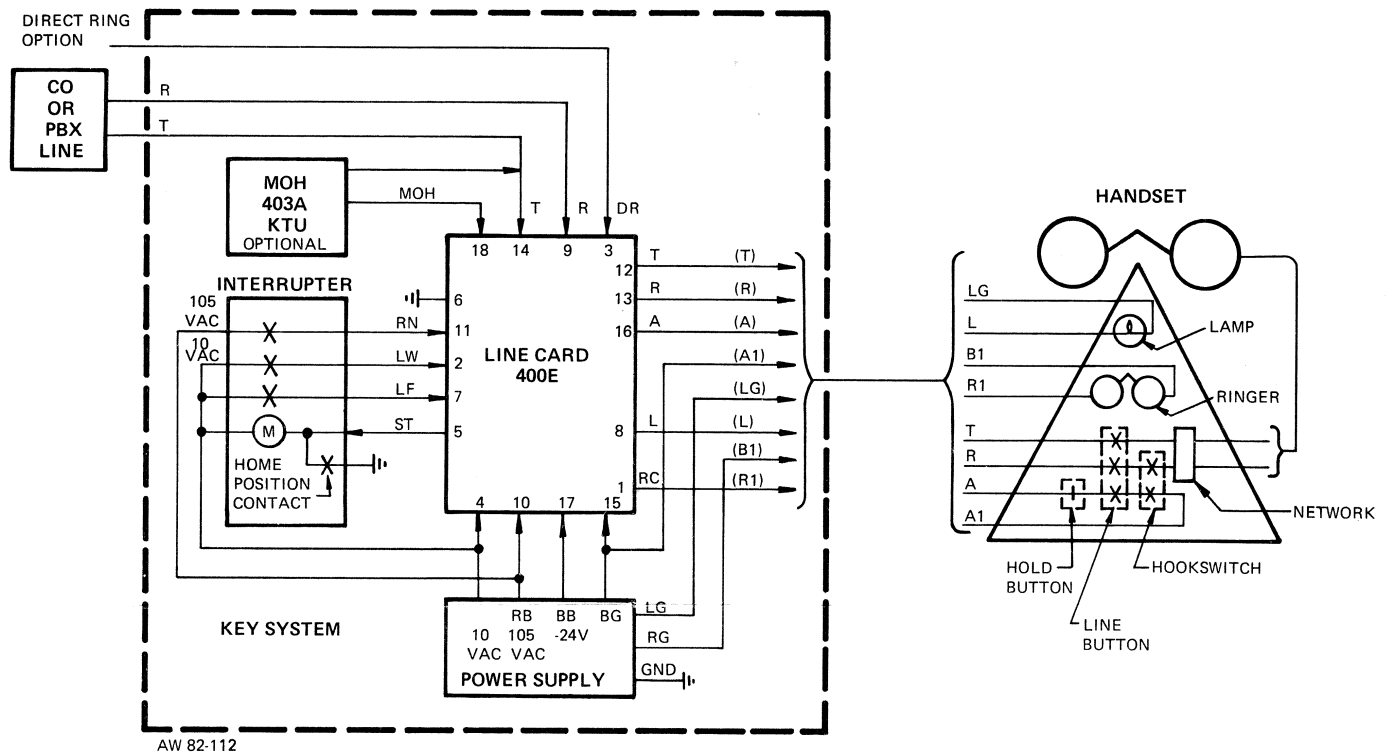


Figure 1: Typical Block Diagram of 400E Line Card and Associated Equipment

1. INTRODUCTION

1.01 This section briefly describes the ITT 400E KTU (Key Telephone Unit). The document includes a list of options, simplified installation instructions, and a block diagram. For more detailed information and a circuit schematic, see Section 36-400-101.

2. GENERAL DESCRIPTION

2.01 The 400E KTU (Key Telephone Unit) is a plug-in line circuit for use in 1A2 type Key Telephone Systems. The line circuit is designed to work into COs (Central Offices) and PBXs (Private Branch Exchanges); it provides the normal signaling and control functions between trunk lines and stations. One KTU is used for each incoming trunk line.

2.02 Figure 1 is a block diagram of the 400E KTU and associated equipment.

3. INSTALLATION INSTRUCTIONS

3.01 Each 400E KTU in the Key Service Unit should be strapped for the options desired per Table A and Figure 2. (For a more complete description of the options available, see Section 36-400-101.)

Caution: In some Key Service Units, pins 3 and 18 of the line card connectors provide -24 VDC and ground. These connections must be cut or removed if any deviation from instructions given in Table A is used. This precaution is necessary to avoid possible damage to the 400E card.

3.02 After the desired options are strapped, install the 400E KTUs into the Key Service Unit.

TABLE A

400E KTU STRAPPING OPTIONS

OPTION NAME	OPTION CODE	DESCRIPTION	STRAPS REQUIRED
Timeout	* Z	Short timeout (10 sec.)	1 - 2
	None	Normal timeout (40 sec.)	None
Audible Signal Control	T	Continuous ringing	6 - 8
	V	Ground	4 - 8
	* W	Interrupted ringing	5 - 8
Hold Lamp Indication	X	Continuous lamp	9 - 7
	* Y	Winking lamp	10 - 7
Incoming Seizure and Ring Detection	* BR	Bridged ringing	C - D, M - N
	RG	Ring to ground	C - B, M - N
	TU	Tip to auxiliary	C - A, K - M
	RU	Ring to auxiliary	C - A, M - N
	DR	Direct - 24 VDC seizure	A - E
Music	M	Music-on-Hold	F - H
	* None	No Music-on-Hold	H - H
Hold Release Delay	* QR	Normal delay (20-50 ms)	Q - R
	QP	Long delay (400-600 ms)	Q - P

AW 81-250

* Factory selected and equipped straps.

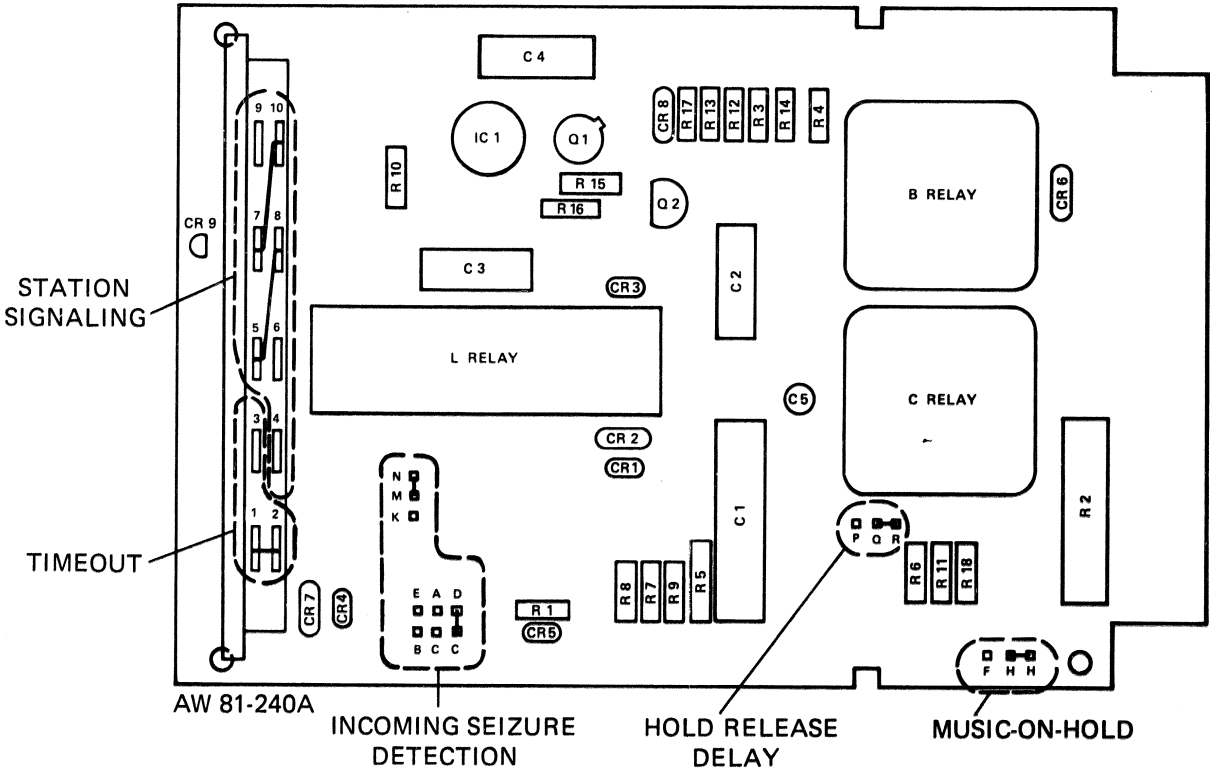


Figure 2: 400E KTU Strapping (Factory equipped straps shown)