

SERVICE
1A2 KEY TELEPHONE SYSTEM
KEY TELEPHONE UNITS
LINE SERVICES

1. GENERAL

1.001 This addendum supplements Section 518-215-400, Issue 6. Place this pink sheet ahead of Page 1 of the section.

1.002 This addendum is issued to expand the restrictions on the use of the 400H KTU.

1.003 Issue 1 of this addendum was issued to:

- Clarify the code of 400-type KTU to be used in the 50A Customer Premise System (CPS)
- Expand the restrictions involving the mounting facilities and the line circuit when furnishing music-on-hold.

2. CHANGES TO SECTION

ISSUE 1 CHANGES

2.001 On Page 8, at the end of paragraph 2.17, add the following bullet:

- Use a 400D or G KTU in a 50A CPS. Do not use a 400H KTU because of a circuit incompatibility.

2.002 On Page 8, at the end of paragraph 2.17, add Table F.1.

ISSUE 2 CHANGES

2.003 On Page 7, paragraph 2.17, add the following step to the first bullet:

- (5) ***If a test call is dialed, wait at least 2 seconds after the called end answers before placing the line on hold.***

2.004 On Page 8, at the end of paragraph 2.17, add the following additional restrictions on the use of the 400H KTU:

- For proper lamp operation, the 400H KTU requires ac power with the proper connections of the ac voltage and ground leads. Care should be taken to avoid shorting the L and LG leads as this may result in damage to the KTU. (With earlier 400-type KTUs, shorting of the L and LG leads resulted in a blown fuse.)
- Under some conditions, tests made at the local test desk or by MLT may cause the 400H to ring up.
- For large centralized installations, 584C panels fully loaded with 400H KTUs are limited to two panels per 19- or 20-type power units and five panels per 29- or 30-type power units. Fully loaded 620A panels are limited to eight panels per 90-type power units.
- When a 109A interconnect unit is used to provide music-on-hold with a 400H KTU, a 106D varistor must be placed between option block terminals 5 and 6 of the 109A interconnect unit.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

- The short ringing time-out interval provided in the 400H KTU may be unsuitable for use with manual PBXs.
- If the A and A1 leads are shorted for more than 15 seconds, the 400H KTU will go into a hold condition. It may be released from hold by momentarily unplugging the KTU or momentarily shorting the tip-ring leads.
- Use of a 400H KTU behind PBXs equipped with J53053F interconnect units (trunk level

access to customer-provided equipment), models earlier than Issue 2B, may result in reports of extra dial pulses. If the interconnect unit is equipped with a 14A resistance lamp, try replacing with a 14B.

Note: Care should be taken to observe *all* the conditions noted in the use of the 400H KTU to reduce possible customer reports or service outages.

TABLE F.1

MOUNTING, LINE CIRCUIT, AND MUSIC-ON-HOLD COMPATIBILITY

KEY SYSTEM		MUSIC-ON-HOLD*		LINE CIRCUIT
1A2 Key Telephone System		Without		All
		With	451B	400G, D, or earlier
			498A and 116A1 CM	All
COM KEY 718 1434 2152	570A 580A	Without		All
	702A 703A	With	451B	400G, D, or earlier
	570B 580B	Without		All
	702B 703B	With	498A and 116A1 CM	All

*Information on the 498A KTU and 116A1 CM can be found in Section 518-215-401. The 451B KTU is covered in Sections 518-215-401 and 463-341-103.