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## **SLC<sup>®</sup> Series 5 Carrier System**

### **AUA37() (COT) FSR Channel Unit - 5SCUS04 (AUA37), 5SCUSK4 (AUA37B)**

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#### **Description**

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The AUA37() channel unit (AUA37 COMCODE 103840542; AUA37B COMCODE 106222656) is intended for FSR (frequency-selective ringing) applications, furnishing a current sink interface to the central office switch. This plug-in provides one channel of service (the A or odd channel), and will always be located at the COT (central office terminal). The RT (remote terminal) end of the channel will be terminated with an AUA57 FSR channel unit.

This practice is reissued to add information about the AUA37B and to correct the COMCODE number given for the test cord that is used to plug into the faceplate jack. (Figure 1 shows the faceplate.)

This channel unit provides a two wire voice frequency interface with a nominal structural impedance of 900 ohms in series with 2.16  $\mu$ F. The transmit and receive insertion losses are both 0 dB.

#### **Compatibility**

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The AUA37 is not compatible with central office electro-mechanical switches which use an A relay for dial pulsing. The AUA37B is an enhanced version of the AUA37, and the AUA37B is compatible with A relay dial pulsing.

The AUA37() channel unit is compatible with the PGTC and the XTC.

## **Specifications**

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The minimum ringing voltage that can be detected by the AUA37() channel unit is 65 Vrms. The ringing frequencies occur within one of three groups, each group containing five frequencies:

<b>Group</b>	<b>Frequency Band (Hz)</b>				
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Decimonic	20.0	30.0	40.0	50.0	60.0
Harmonic	16.6	25.0	33.3	50.0	66.6
Synchromonic	20.0	30.0	42.0	54.0	66.0

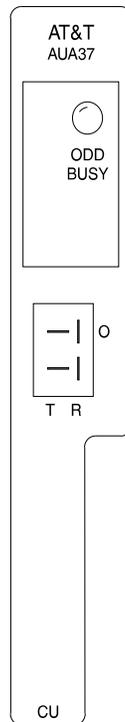
There are no options or settings on this channel unit. The ringing group is determined by the option setting of the AUA57 in the RT.

The channel unit also provides 2-party ANI (automatic number identification) capability for two party service.

## Faceplate Features

Figure 1 shows the AUA37 faceplate and edge connections. AUA37( ) faceplate features include LEDs and test jack access to tip and ring through the ITT RTG16L2H15A channel unit faceplate test cord (COMCODE 405755208).

**ODD BUSY (Red LED):** The one channel is busy when lighted.



Edge Connections	
Finger	Function
1	Frame Gnd
17, 20, 21	Circuit Gnd
23, 25	+ 5 V dc
26	-48 V dc
31	Tip
32	Ring
49	- 5 V dc

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**Figure 1. AUA37 Faceplate and Edge Connections**

## **References**

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The following documents provide additional information about the use of this channel unit in the *SLC Series 5 Carrier System*:

AT&T 363-205-010 *SLC Series 5 Carrier System Applications and Planning Guide.*

AT&T 363-205-402 *SLC Series 5 Carrier System Channel Unit Installation and Testing.*

## **Technical Assistance**

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Follow local procedures for obtaining technical assistance. AT&T also provides in-hours or emergency out-of-hours help for the *SLC Series 5 Carrier System*. Call the AT&T Regional Technical Assistance Center at **1-800-225-RTAC**.

## **Ordering Information**

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Additional copies of this document (AT&T 363-005-121) are available from the Customer Information Center — call 1-800-432-6600.

## **Comments**

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Comments about this document can be directed to:

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