SLC® LineReach™ Access System

AUA437 Ring Bridge Unit—5SPQAD5

Features/Functions

- Allows external ringing source to be used with to the *SLC* LineReach shelf

Description

This data sheet describes the AUA437 ring bridge unit (RBU) (COMCODE 108253741) and is intended for the end-user of the unit. The AUA437 ring bridge unit is used in the *SLC*® LineReach™ Access System remote terminal (RT).

Ringing can be provided to the circuit packs in a *SLC* LineReach shelf through a ringing generator unit (RGU) or by an external ringing generator. When ringing is provided by an external ringing generator, the ring bridge unit is installed in the RGU slot. The RBU connects the ringing input from the external ringing source to the normal ringing output at the RGU slot (ringing output is fused by the BFU), as shown in Figure 1.

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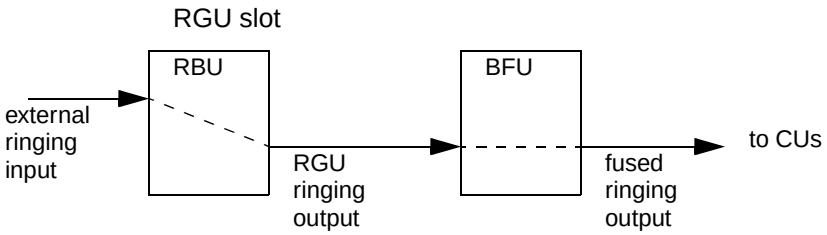

Figure 1. AUA437 RBU External Ringing Input Path

Figure 1 shows the external ringing path through the AUA437 ring bridge unit. Figure 2 shows the faceplate diagram of the unit. Table 1 lists the environmental specifications, and Table 2 lists the edge connections for the RBU.

Specifications

This unit is intended for use in *SLC* LineReach Access Systems located in controlled environments that conform to the specifications of Bellcore GR-63*. It may also be used in applicable Lucent Technologies cabinets designed for *SLC* LineReach Systems and intended for applications in non-controlled (outside plant) environments that conform to Bellcore TA-NWT-000487†. These cabinets, when properly equipped, are designed to maintain internal environmental conditions within appropriate operational limits for *SLC* LineReach equipment such that system performance meets TR-NWT-000057‡.

The applicable outside plant environment criteria for cabinet enclosures (per TA-NWT-000487) are summarized in Table 1 Environmental Specifications.

Table 1. Environmental Specifications

A. Temperature Range (Ambient) 1. Operating, per TR-NWT-000057: in Lucent Technologies cabinet-mounted RT, outside ambient temperatures of -40° F (-40° C) with no solar load to +115° F (46° C) with maximum solar load and maximum power dissipation. Lucent Technologies cabinets are designed to ensure that the components within do not exceed their rated temperatures for the above conditions. 2. Storage, per TR-NWT-000057: ambient temperatures of -40° to 140° F (-40° to 60° C).
B. Relative Humidity 1. Operating, per TR-NWT-000057. For outside ambient temperature 84° F (29° C) or less, relative humidity of 5% to 95%. For ambient temperatures above 84° F (29° C), the relative humidity is limited to that corresponding to a specific humidity of 0.024 pound of water per pound of dry air. 2. Storage, per TR-NWT-000057: ambient temperatures 84° F (29° C) or less, 10% to 95%. For ambient temperatures above 84° F (29° C), the relative humidity is limited to that corresponding to a specific humidity of 0.024 pound of water per pound of dry air.

* Bellcore Generic Reference GR-63, Issue 1, October 1994, and all Revisions and Supplements, "Network Equipment-Building System Requirements: Physical Protection (a module of LSSGR, GR-64; TSGR, FR-440, and NEBS FR, FR-2063)," Bellcore.

† Bellcore Technical Advisory TA-NWT-000487, Issue 1, June 1993, and all Revisions and Supplements, "*General Requirements for Electronic Equipment Cabinets*," Bellcore.

‡ Bellcore Technical Reference TR-NWT-000057, Issue 2, January 1993, and all Revisions and Supplements, "*Functional Criteria For Digital Loop Carrier Systems*," Bellcore.

Faceplate Features

The AUA437 ring bridge unit faceplate is shown below.

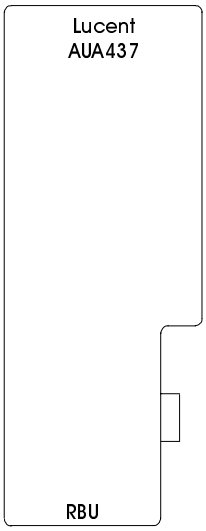

Figure 2. AUA437 RBU Faceplate Diagram

Table 2. Edge Connections For AUA437 Ring Bridge Unit

Finger	Function
1	Frame Ground
2, 27	-RNG (20 Hz)
15, 16, 40, 41	Circuit Ground
25, 50	EXTRNGIN

References

The following documents provide additional information about the use of this unit in the *SLC* LineReach Access System:

363-208-400	*SLC LineReach Access System Applications, Planning, and Ordering Guide*
363-208-401	*SLC LineReach Access System User/Service Manual*

Technical Assistance

Follow local procedures for obtaining technical assistance. Lucent Technologies also provides in-hours or emergency out-of-hours help for the *SLC* LineReach Access System. Call the Lucent Technologies Regional Technical Assistance Center at 1-800-225-RTAC.

Ordering Information

Additional copies of this document (363-005-413) are available from the Customer Information Center — call 1-888-582-3688.

Comments

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Lucent Technologies
Customer Training and Information Products (CTIP)
Documentation Services
2400 Reynolda Road
Winston-Salem, NC 27106-4606

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