SLC® Series 5 Carrier System

UL Listed Remote Terminal Installation

Features/Functions

- UL* recognized

Description

This data sheet describes installation standards for the UL* Listed Remote Terminal (RT) of the *SLC* Series 5 Carrier System and is intended for the end-user. Series 5 Carrier System remote terminals are UL listed for restricted access installations in business and customer premises applications installed in accordance with Articles 110-16 and 110-17 of the National Electric Code, ANSI† / NFPA Number 70. Other installations exempt from the requirements of the National Electric Code may be engineered according to the accepted practices of the local telecommunications utility.

This data sheet is being reissued to update its content.

When installing and using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to people:

- Follow all warnings and instructions.
- Install and modify telephone lines with caution — ***never*** install telephone wiring or equipment during a lightning storm.

* Registered trademark of Underwriters Laboratories Inc.

† Registered trademark of American National Standards Institute, Inc.

- Keep ventilation slots clear of blockage so equipment will not overheat.
- Never insert fingers or a foreign object into slots or openings in the assembly. The object may touch dangerous voltage point resulting in a risk of fire or electric shock.
- Connect this product only to the type of power source listed on the marking label.
- Use only Lucent Technologies manufactured *UL* recognized equipment and apparatus in this system. Recognized codes include the J1C182A(_), L(_) remote terminal dual channel bank, J1C182BA-1, L3 or above AC power shelf, J1C182BB, L1 DC power shelf, 181B battery shelf, 2(_) fan unit, and the ED-8C500-50, G5 bay framework. The ED-7C613-30, G2 and G3 load distribution unit (LDU) is recognized for use in the J1C182BA-1, L3 or above AC power shelf.
- Use only Lucent Technologies manufactured *UL* recognized apparatus coded circuit packs in this system. Recognized codes for the dual channel bank include all remote terminal codes in the AUA, AUB, and MC, series circuit packs. Recognized codes for either the AC power shelf or DC power shelf include the 336A1 and 336B1 rectifiers, 3B1, 3C1, 3E1, 3F1, 3G1, 3H1, 3J1 and 3K1 ringing generators, 40D bank fuse unit, and all AUG-series circuit packs. The 337A1 battery charger is recognized for use in the battery shelf.
- Configure the previously referenced recognized equipment and apparatus coded units, including circuit packs as shown in Lucent Technologies 363-205-100.
- Use only the protected wire system consisting of Lucent Technologies gas tube protectors 4C1E-W (black) or 4C3E-W (red), or black colored solid state protectors 7CB0, 7CB0T, 7CA0, 7CA0T, 4C1S or red colored solid state protectors 7CB2, 7CB2T, 7CA2, 7CA2T, 4C3S, on all outside plant telecommunication circuits. Locate the building entrance cable and protectors as specified in Article 800 of the National Electric Code, ANSI/NFPA Number 70.
- Connect equipment frame ground to building ground using frame ground drop wire (see Lucent SD-7C118-01, *SLC* Series 5 *Remote Terminal Application and Bay Wiring Schematic*).
- Verify that the AC receptacle supplying power is connected to a dedicated 20 Ampere branch circuit if the system is designed to use AC power. Use only the proper mating receptacle for the type of plug provided with the system.
- Keep all items off the power cord. Do not attach the AC receptacle or power supply cord to the building surfaces. Do not locate this product where the cord will be abused by people walking on it.
- Check batteries once a year on systems provided with battery backup and replace as necessary.

Important Safety Instructions
Read and Understand All Instructions

- Bolt the ED-8C500-50, G5 bay framework (if applicable) to a noncombustible floor. If the framework must be mounted on combustible material, a floor plate of at least 1/16-inch steel extending at least 6 inches on all sides must be installed.

References

The following documents provide additional information about the *SLC Series 5 Carrier System*:

363-205-010	*SLC Series 5 Carrier System Applications and Planning Guide*
363-205-100	*SLC Series 5 Carrier System General Description*
915-710-115	*SLC Series 5 Carrier System Application Engineering Practice*
SD-7C118-01	*SLC* Series 5 *Remote Terminal Application and Bay Wiring Schematic*

Technical Assistance

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

Ordering Information

Additional copies of this document (363-205-011) are available from the Customer Information Center — call 1-888-584-6366.

Comments

Comments about this document can be directed to:

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

Important Safety Instructions
Read and Understand All Instructions

Copyright Information