Expand Capacity of the AES-2000/C-3000 Combination from 96 Tenants Up to 288 Tenants

A bank of eight C-3000’s has a 96 tenant capacity. By using a C-1000B, three groups of eight C-3000’s can be combined, expanding tenant capacity up to 288.

Installation

The following steps are to be used in conjunction with the diagram on the following page (page 2).

Step 1. Connect a pair of wires from the AES-2000’s C-3000 screw terminals to the C-1000B’s LINE OUT TO PHONES screw terminals.

Step 2. To connect the first group of eight C-3000s: Connect the C-1000B’s LINE IN screw terminals to the Primary 1 C-3000’s ENTRY 1 screw terminals.

Step 3. To connect the second group of eight C-3000s: Connect the C-1000B’s DOOR BOX 1 terminals to Primary 2 C-3000’s ENTRY 1 screw terminals.

Step 4. To connect the third group of eight C-3000s: Connect the C-1000B’s DOOR BOX 2 terminals to Primary 3 C-3000’s ENTRY 1 screw terminals.

Step 5. Set DIP switch 3 of the C-1000B to the OFF position and set Talk Battery switch to OFF.

Step 6. A telephone line can be connected to the AES-2000’s CO screw terminals for remote AES-2000 programming or calling tenants that do not have phone service.

Note: Connect the group of eight C-3000s in a Primary/Secondary configuration as shown in the C-3000 Technical Practice.

Programming

For the AES-2000 and the C-3000 to work in harmony, program them to have identical phone entry Call Times and Ring Counts. Failure to do so will result in unexpected disconnect. The AES-2000 Call Time and Ring Count fields are found in the Building Selection’s “Setup” pull down menu, under “Parameters.” See the C-3000 Technical Practice, Programming section B for programming the Call Time and Ring Count on the C-3000s.

When programming the AES-2000’s Apartment Selection screen, a “C” in entered before the tenant’s phone number to access the first C-3000 group. The second and third C-3000 groups require a “C” and a “#1” or a “#2” before the tenant’s phone number.

For Example: C01 - C96 for group one, C#1,01 - C#1,96 for group two, C#2,01 - C#2,96 for group three.

Important: The comma shown in the dialing string is for a 2 second pause, which is required for the C-1000A to switch to group 2 or 3.
Important: DIP Switch 3 must be set to OFF!!

Add up to 7 more C-3000 secondary modules

Add up to 7 more C-3000 secondary modules

Add up to 6 more C-3000 secondary modules

Example: Type 66 Punchdown Terminal Block with Split Center (not included)

To Apartment Phones 1-12

Important: Interconnect all modules coming OUT of the last secondary module IN to the next, continuing from module to module on up to the Primary module using the supplied modular cords. After wiring is complete, power up the last secondary module first, continuing forward to the primary module.

Due to the dynamic nature of the product design, the information contained in this document is subject to change without notice. Viking Electronics, and its affiliates and/or subsidiaries assume no responsibility for errors and omissions contained in this information. Revisions of this document or new editions of it may be issued to incorporate such changes.