

APPLICATION Note

TELECOM SOLUTIONS FOR THE 21ST CENTURY

Using the AES-2000 with Multiple C-3000 Controllers

July 11, 2022

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



Model AES-2000

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.

Model C-3000



Model C-1000B



Information: 715-386-8861

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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-3000 s: 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-3000 s: 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 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 disconnects. 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-3000**s.

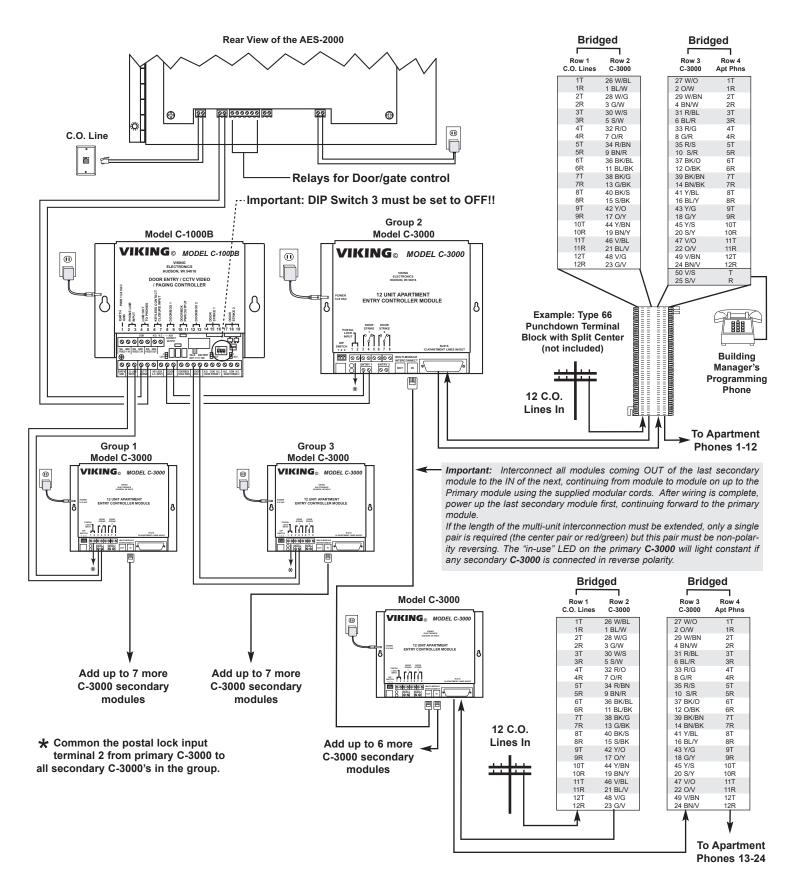
Additional C-3000 Programming:

- A. Program all C-3000's with "##4" to disable the C-3000 relay activation.
- B. Each primary **C-3000** must be programmed with the total number of units in the group. For a group of 8 units, program "8##8" into the groups primary unit, for a group of 7 enter "7##8", etc.

When programming the **AES-2000**'s Apartment Selection screen, a "C" is 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-1000B to switch to group 2 or 3.



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