

VIKING APPLICATION NOTE

SECURITY AND COMMUNICATION SOLUTIONS

Use the C-1000B as a
Line Concentrator or to
Control 3 Door Boxes

March 14, 2018

Using the C-1000B as a Line Concentrator or using the C-1000B with 3 Door Boxes and no C.O. line.

The **C-1000B** can be used as a line concentrator, allowing up to 3 separate C.O. lines to connect to one telcom device. See Installation Section **A**.

The **C-1000B** can also be used to control up to 3 doorboxes and 3 door strikes without a C.O. line. See Installation Section **B**.



Relevant Products:

C-1000B (DOD 168)

RC-2A (DOD 160)

Installation

A. Line Concentrator Mode (One Telcom Device Can Answer up to Three Lines)

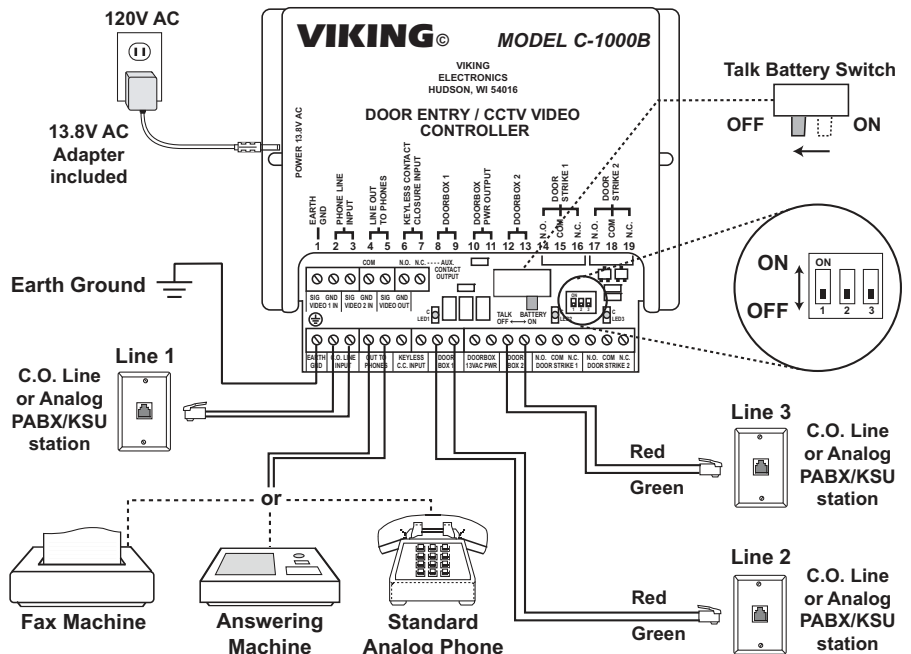
The **C-1000B** can be used as a line concentrator, allowing up to 3 separate C.O. lines to connect to one telcom device.

Step 1.	Connect as shown.
Step 2.	Move DIP switch 3 to the OFF position See the C-1000B Product Manual, Programming section.
Step 3.	Be sure the "Talk Battery Switch" is in the ON position.

Line Concentrator Operation

The first ringing line will ring to the "LINE OUT TO PHONES" terminals 4 & 5 on the **C-1000B**. On outbound calls, the **C-1000B** will default to the primary line (line connected to the "PHONE LINE INPUT" terminals 2 & 3). To access the lines connected to "DOORBOX 1" terminals or "DOORBOX 2" terminals, simply enter Touch Tones "#1" or "#2" respectively.

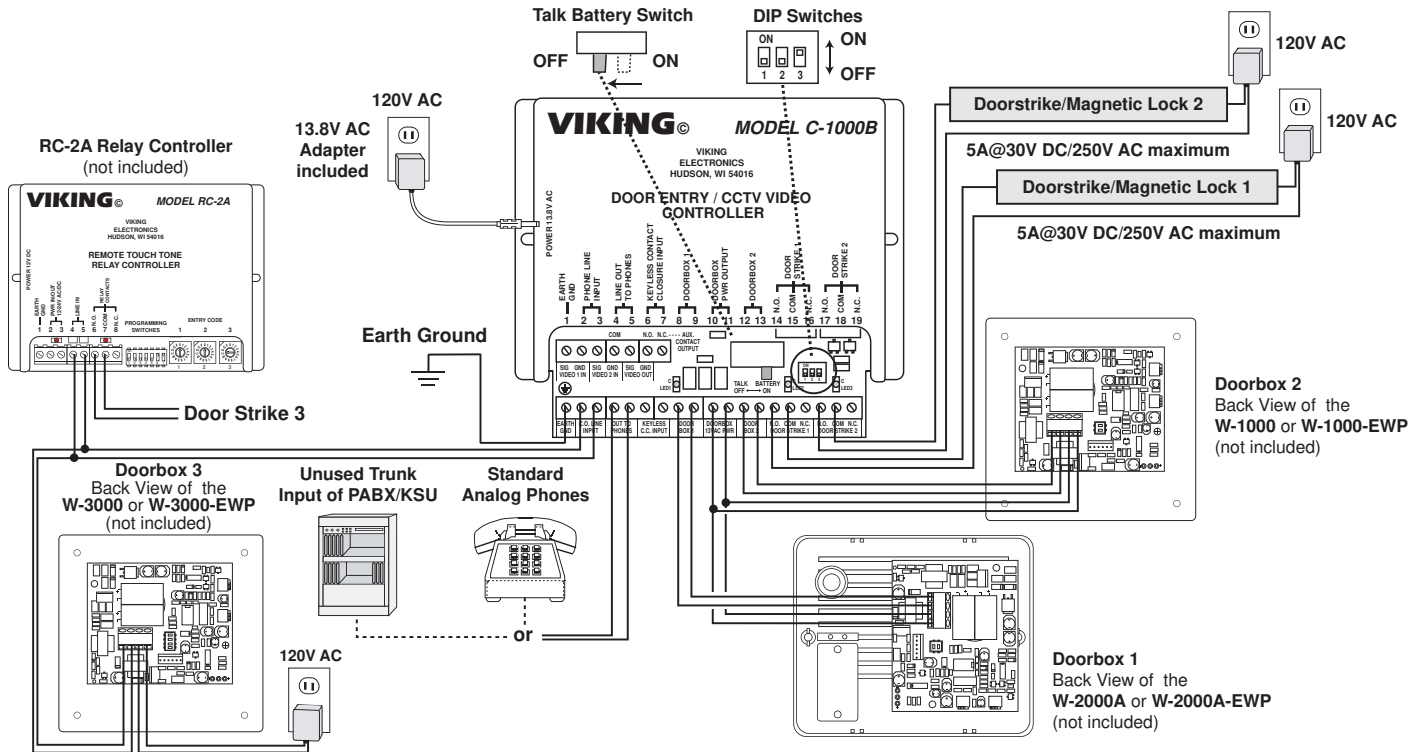
Note: DIP switch 3 must be in the **OFF** position.



B. Using the C-1000B with Three Doorboxes and No C.O. Line

The **C-1000B** can be used to control up to 3 doorboxes. If door/gate control is needed for Doorbox 3, the **C-1000B** must be used in combination with the **RC-2A** Remote Controller (**Fax Back Document 160**). In the configuration, the **RC-2A** is connected in parallel with doorbox 3 to provide an additional relay contact. See the **C-1000B** Technical Practice, **Operation**, section **A**.

Note: Doorbox 3 will not have Touch Tone dialing restriction (security). Be sure to program the **RC-2A** and the **C-1000B** with different security codes.



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