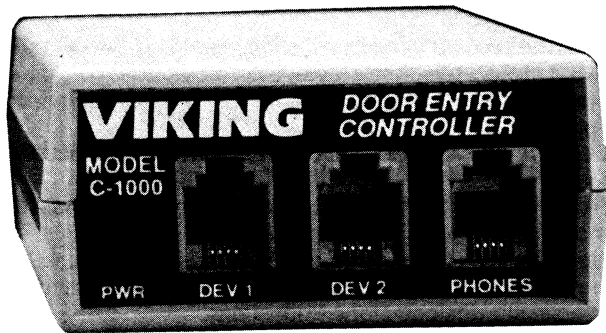


Add Viking Doorboxes Without Changing Your Phone System



The **C-1000** Door Entry Controller dramatically expands the potential installation sites for Viking **W-1000** and **W-2000** doorboxes. No longer limited to installation on an unused key system or PABX trunk input, Viking doorboxes can now be installed in single line residential or home office applications as well as on maxed-out key systems.

The **C-1000** allows single line phones or phone systems to share a phone line with 1 or 2 Viking doorboxes. In addition, the **C-1000** provides contact closures controlled by the inside Touch-Tone® or rotary phones. These .75 AMP contacts may be used to operate door strikes or gate openers.

Operation is simple: when a visitor presses the call button on a Viking doorbox, the inside phones ring 10 times or until answered. When answered, the inside party can converse with the visitor prior to allowing entry. If a normal call is in process, the inside party will hear a short tone and can place the call on hold while conversing with the visitor.

FEATURES

- Allows two Viking doorboxes to share a phone line with a telephone (or telephone system)
- Up to three standard phones can be wired to the Controller
- May be used with single line phones, PABX, hybrid, Electronic or 1A2 Key systems
- Phones or answering machines wired on the C.O. side of the controller only ring on incoming calls
- An audible signal indicates which doorbox is calling
- Phone calls can be placed on hold when visitors call from the doorbox
- Provides two dry relay contact closures for door strike or gate opener control via a phone
- Compatible with pulse (rotary dial) phones/C.O.
- Power supply included
- One year warranty

SPECIFICATIONS

POWER: 120V AC, 60hz .1 Amp (provided)
CONNECTIONS: RJ-11 or RJ-14 jack and plug style
DIMENSIONS: 2.8"(W) x 1.4"(H) x 4.7"(L)
RELAYS: 2 relay control connections provided (not to exceed 24V AC/DC at .75A or less)
DOOR BOXES: W-1000 Rev. E or W-2000 Rev. D (located on product label)

Made In The U.S.A.



IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons including the following.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
7. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by persons walking on it.
8. Do not overload wall outlets and extension cords as this can result in the risk of fire or electrical shock.
9. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in the risk of fire or electric shock. Never spill liquid of any kind on the product.
10. To reduce the risk of electric shock, do not disassemble this product, but take it to a qualified serviceman when some service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
11. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions.
 - A. When the power supply cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - D. If the product does not operate normally by following the operating instructions. Adjust only those controls, that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - E. If the product has been dropped or the cabinet has been damaged.
 - F. If the product exhibits a distinct change in performance.
12. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
13. Do not use the telephone to report a gas leak in the vicinity of the leak.
14. Repairs to this telephone equipment can only be made by the manufacturer or its authorized agents.
15. Never install telephone wiring during a lightning storm.
16. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
17. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
18. Use caution when installing or modifying telephone lines.

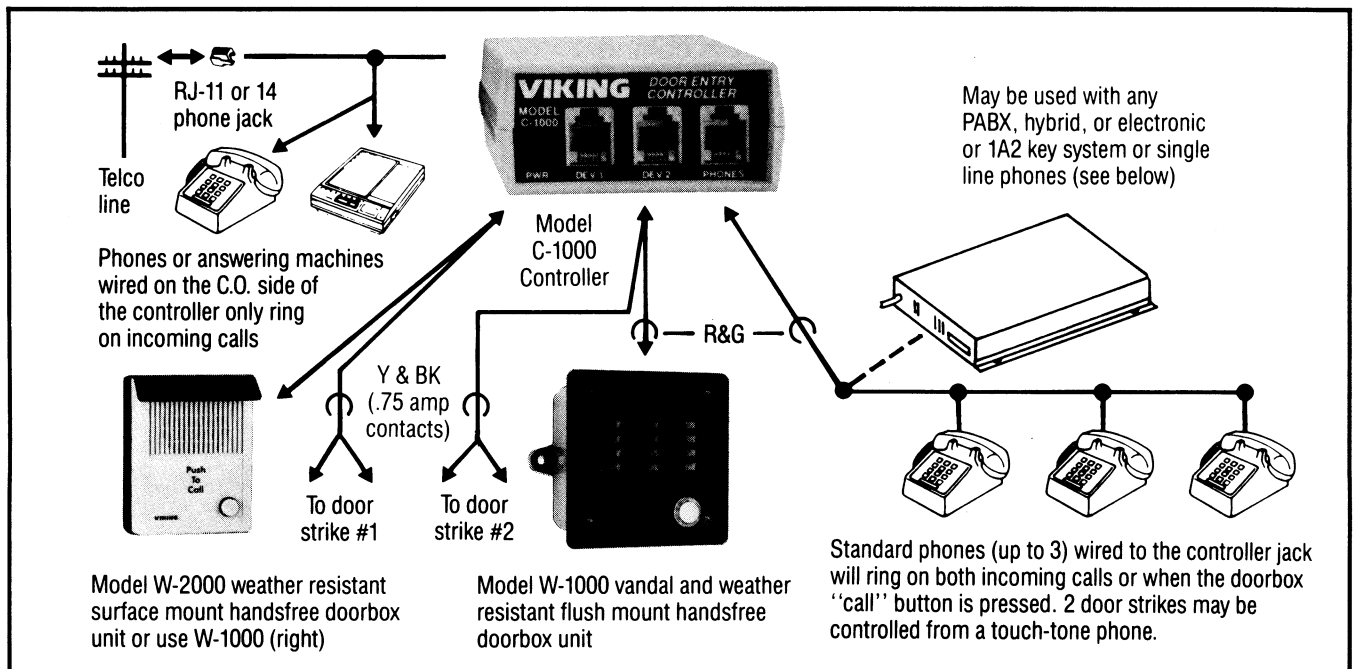
SAVE THESE INSTRUCTIONS

I. INSTALLATION

Locate the **C-1000** in an area where ambient temperature is between 32° to 90° F with 5% to 95% non-condensing relative humidity.

The **C-1000** is provided with a U.L. listed power supply, with 12V D.C. output, and requires a 24 hour unswitched A.C. outlet. To protect the micro-processor, we recommend the installation of a surge protector.

Doorbox connections to the Door Entry Controller are made through RJ-11 or RJ-14 jacks and a similar style plug.



Doorboxes one and two are connected to DEV 1 and DEV 2 respectively on pins 3 (red) and 4 (green). Door strikes one and two are connected to the dry contact relays on DEV 1 and DEV 2 respectively on pins 2 (yellow) and 5 (black). Door strikes should not exceed 24V AD/DC at .75A or less; use an external relay for larger electrical loads.

Up to three standard phones can be connected to the PHONE jack on pins 3 (red) and 4 (green) when using Viking's W-1000 or W-2000 doorboxes. A standard RJ-11 or RJ-14 phone plug is provided for connecting the C-1000 to the C.O. or PABX line. If a 2 line phone, or "A-Lead" control is used, the yellow and black wires of the line cord are connected to the PHONE jack pin 2 (yellow) and 5 (black) for convenience.

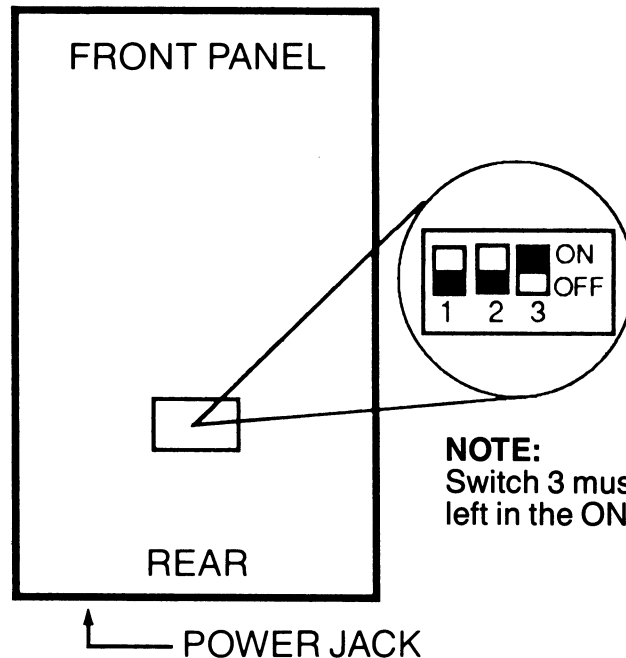
II. POWER CONNECTION

Power is provided by a 120V AC U.L. listed power supply (provided). The power connection is located at the rear of the C-1000, through the power jack provided. The power supply provides 12 volts at 500MA D.C.

III. PROGRAMMING THE C-1000

The C-1000 programming switch is located on the bottom of the unit and is utilized for selecting the contact closure time for the relays. The switch is also used for selecting a normally closed or normally open state for these relays.

The relay closure time is either 5 or 10 seconds. To select a 5 second closure time, Switch Position 1 of the programming switch should be in the OFF position. With Switch Position 1 in the ON position, the relay closure time is changed to 10 seconds. With Switch Position 2 of the programming switch in the OFF position, the relays will be set to the normally open state. With Switch Position 2 in the ON position, the relays will be set to the normally closed state.



IV. OPERATION

A visitor desiring access will push the CALL button on the doorbox, causing a ring signal to be sent to the C-1000 which automatically switches the phone to the doorbox to allow the call to ring through, unless the phone is already in use. If the phone is already in use, a tone (similar to the central office "call waiting tone") will be heard, indicating which doorbox is calling. A single tone burst indicates doorbox 1 (DEV 1 jack) is calling in; a double tone burst indicates that doorbox 2 (DEV 2 jack) is calling in.

To place the caller on hold and answer a calling doorbox, simply press the Touch-Tone® "#" key or hook switch flash twice or dial "2" if a pulse dial phone is being utilized.

When the doorbox calls, a single or double tone burst indicating which doorbox is calling will be heard when the phone is picked up.

To activate a relay contact when communicating with a doorbox, simply press the star key twice ("★ ★"), hook switch flash three times or pulse dial "3". The relay will be activated for the relay delay period (5 or 10 seconds). After the relay has been activated, a double confirmation tone will be heard, the phone will be returned to the C.O. or PABX line and the original caller will be taken off hold so further communications can take place.

If the relay is not to be activated and the party wants to continue communications with the party on hold, simply press the “#” Touch-Tone®, hook switch flash twice or pulse dial “2”.

An additional feature is provided only for those phones which have Touch-Tone® capabilities. A doorbox may be turned on for monitoring purposes by pressing the “#” Touch-Tone® (when the phone is off-hook) followed by a “1” or “2” to activate doorbox 1 or 2 respectively. Not available with pulse phones.

Note that all Touch-Tones® entered will be ignored by the Door Entry Controller if the initial Touch-Tones® entered are not commands. To regain control with commands, the phone must first be returned to an on-hook condition.

Commands For The C-1000

Action	Type of Phone	Device 1	Device 2	Relay 1	Relay 2
To Monitor A Doorbox	Touch-Tone	# 1	# 2	N/A	N/A
	Pulse	N/A	N/A		
To Answer Or Disconnect A Doorbox Call	Touch-Tone	#	#	N/A	N/A
	Tone/Pulse	2 Flashes	2 Flashes		
	Pulse	Dial 2	Dial 2		
To Activate A Relay	Tone/Pulse	N/A	N/A	3 Flashes	3 Flashes
	Touch-Tone			★ ★	★ ★
	Pulse			Dial 3	Dial 3

NOTE: The relays may only be activated while communicating with the doorbox.

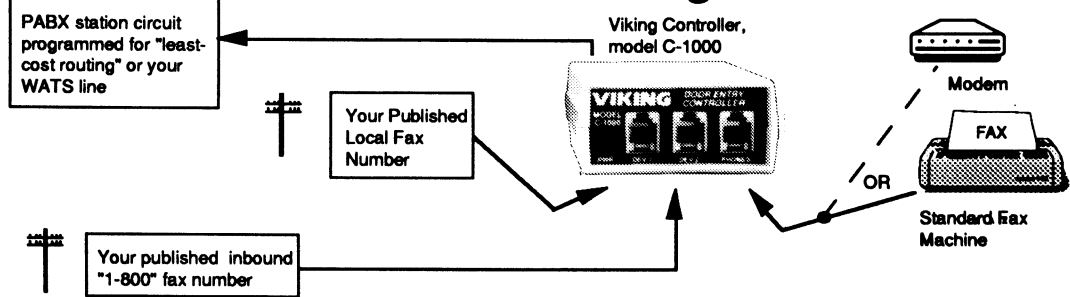
V. POWER FAILURE

In the event of power failure all in and outbound calls will continue to be connected to the phones. The doorboxes and door strike contacts will not function.

VIKING NEWS[®]

The C-1000....More Than Just A Door Box Controller

**Receive Faxes On Your Local Or Inbound "800" Fax Number,
Send Faxes Via Least-Cost Routing Or WATS Line**



OPERATION

INBOUND:

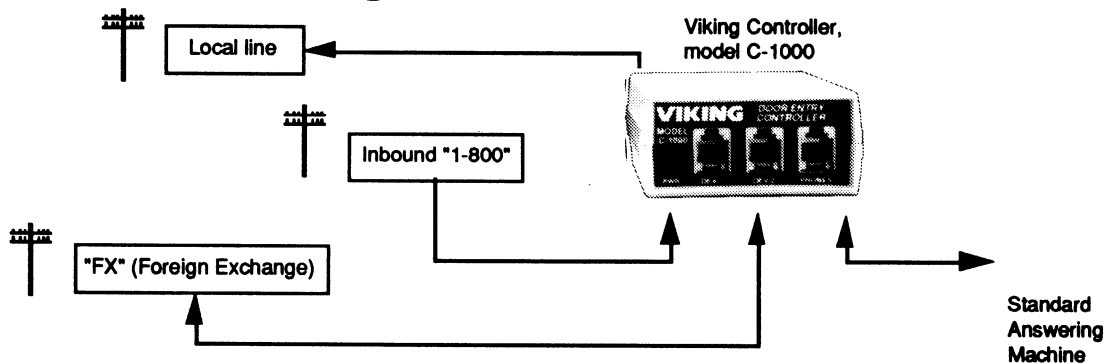
- Fax machine or modem will answer any one of up to three incoming lines
- Controller will direct ringing line to the fax machine
- PABX may transfer any trunk call to the fax extension

OUTBOUND:

- Fax transmission will take advantage of the "least-cost routing" feature of the PABX

While you are making an outbound fax transmission, inbound fax calls will not be answered so there will be no connection charges. (virtually all fax machines can not distinguish the difference between "ring, no answer" and "busy signals")

Your Answering Machine Can Answer Three Lines



**Add Paging, Loud Ringing, Handsfree Talkback Or Doorboxes
To CENTREX Systems or Homes And Offices With Single Line Phones
(Also Maxed-Out Key Systems!)**

