HOLOVISION

Manual Type 1.1.0.3-RF
Viking E-10, C-2000B
with Essex 265 Controller

For Models

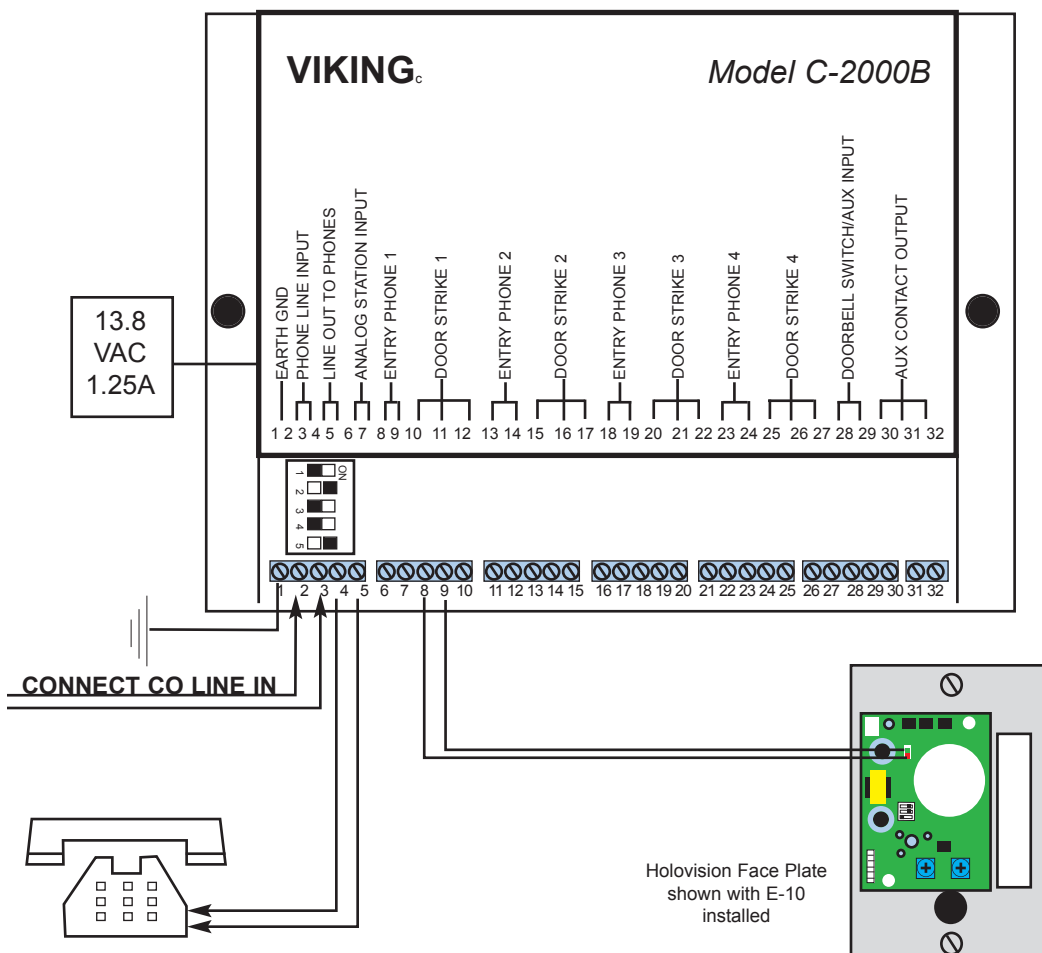|	
101-VIK	203-VIK
107-VIK	301-VIK
201-VIK	302-VIK

Specifications

Communication
Viking E-10 Doorbox uses "half-duplex" communication, allowing for high speaker and microphone volume, witout the possibility of feedback.
Viking C-2000A allows up to 4 doorphones to share a CO line.

Access Control
Essex 5 button keypad
2 relays
5-6 users
16.5 VAC power supply included
Internal rectifier gives optional ''dc out'' for strikes

VIKINGc   *Model C-2000B*

13.8 VAC 1.25A

EARTH GND
PHONE LINE INPUT
LINE OUT TO PHONES
ANALOG STATION INPUT
ENTRY PHONE 1
DOOR STRIKE 1
ENTRY PHONE 2
DOOR STRIKE 2
ENTRY PHONE 3
DOOR STRIKE 3
ENTRY PHONE 4
DOOR STRIKE 4
DOORBELL SWITCH/AUX INPUT
AUX CONTACT OUTPUT

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

CONNECT CO LINE IN

Holovision Face Plate shown with E-10 installed

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HOLOVISION

Viking C-2000B and Essex CM265 Wiring

VIKINGc   *Model C-2000B*

13.8 VAC 1.25A

Terminal labels:
- EARTH GND
- PHONE LINE INPUT
- LINE OUT TO PHONES
- ANALOG STATION INPUT
- ENTRY PHONE 1
- DOOR STRIKE 1
- ENTRY PHONE 2
- DOOR STRIKE 2
- ENTRY PHONE 3
- DOOR STRIKE 3
- ENTRY PHONE 4
- DOOR STRIKE 4
- DOORBELL SWITCH/AUX INPUT
- AUX CONTACT OUTPUT

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

To Door Phone 4

To Door Phone 3

To Door Phone 2

House Telephones

Holovision Faceplate with Keypad

Remote Bypass Button

22/12 Essex Keypad Cable

Gate Strike

16.5 VAC

Essex Model 265
- NC 2
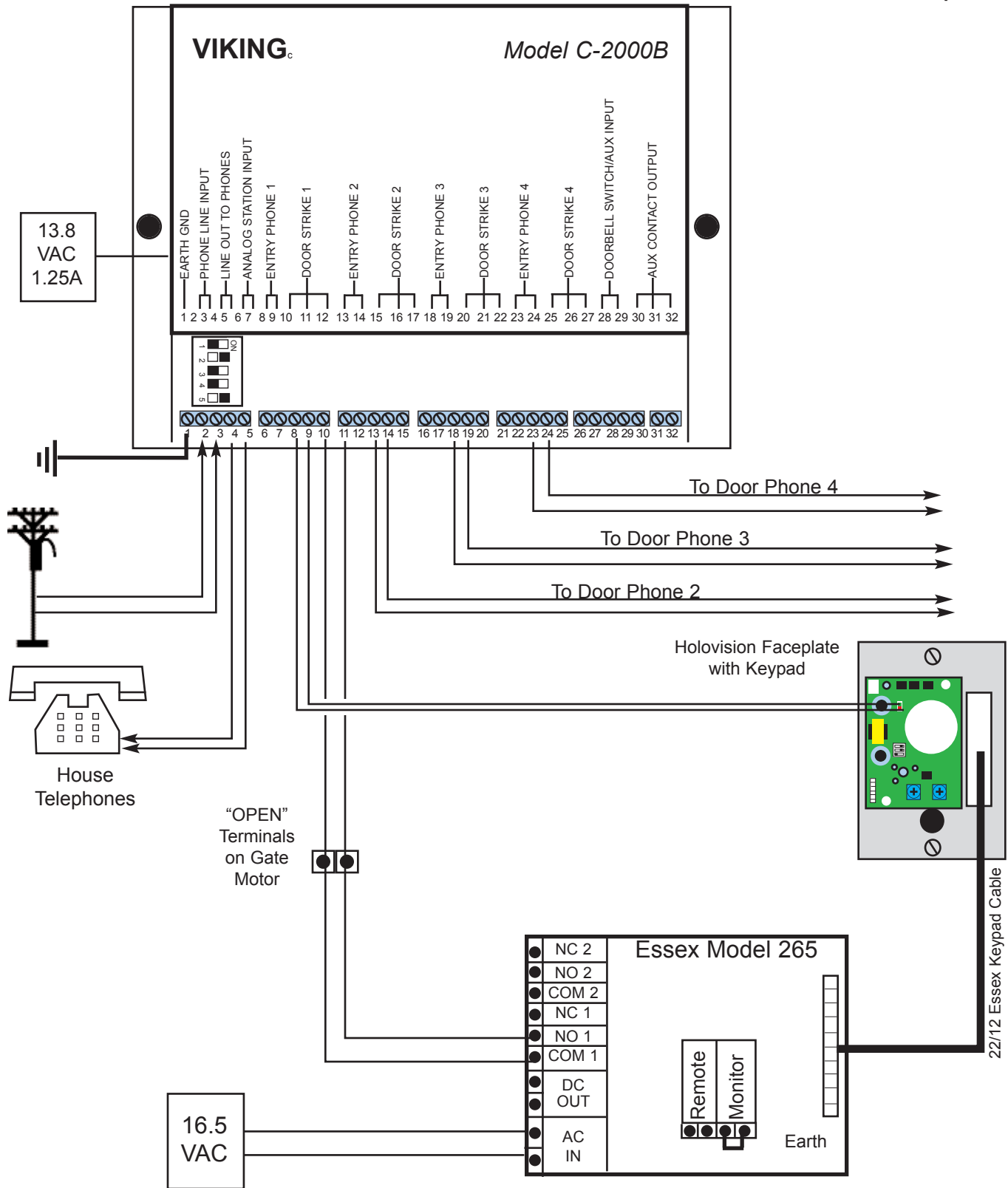- NO 2
- COM 2
- NC 1
- NO 1
- COM 1
- DC OUT
- AC IN

Remote   Monitor

Earth

NOTE 1: Remove the jumper wire & MOVs from left side terminal strip. Wire right side terminal strip "color for color".
NOTE 2: MOV (metal oxide varistor) is the small red component which is included. Its purpose is to absorb "inductive kick back" which can be created when power is removed from the strike.

Viking C-2000B and Essex CM265 Wiring

VIKINGⓒ   *Model C-2000B*

13.8 VAC 1.25A

EARTH GND
PHONE LINE INPUT
LINE OUT TO PHONES
ANALOG STATION INPUT
ENTRY PHONE 1
DOOR STRIKE 1
ENTRY PHONE 2
DOOR STRIKE 2
ENTRY PHONE 3
DOOR STRIKE 3
ENTRY PHONE 4
DOOR STRIKE 4
DOORBELL SWITCH/AUX INPUT
AUX CONTACT OUTPUT

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

ON
1 2 3 4 5

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

To Door Phone 4

To Door Phone 3

To Door Phone 2

House Telephones

Holovision Faceplate with Keypad

"OPEN" Terminals on Gate Motor

Essex Model 265

NC 2
NO 2
COM 2
NC 1
NO 1
COM 1
DC OUT
AC IN

Remote
Monitor

Earth

22/12 Essex Keypad Cable

16.5 VAC

NOTE 1: Remove the jumper wire & MOVs from left side terminal strip. Wire right side terminal strip "color for color".

Doorphone Programming

Instructions for E-10 Doorphones

Microphone Volume

In certain noisy locations (traffic or wind), the microphone volume may need to be decreased. A symptom of this is one-way talk path, in which the distant party cannot be heard over the speaker. A "**MIC VOL**" adjustment is provided on the doorphone for increasing or decreasing the microphone volume.

Speaker Volume

The "**SPKR VOL**" pot can be adjusted to increase or decrease the speaker volume to the desired level.

(E-10)
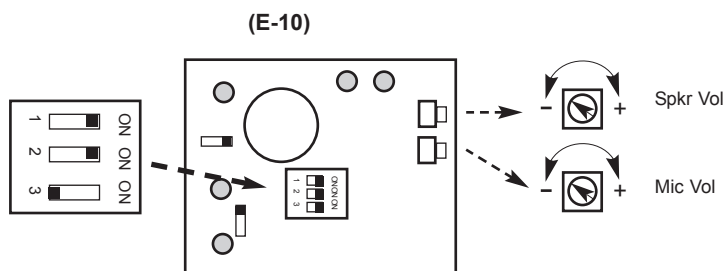
Dip Switch Settings

DIP Switch	Position	Description
1	ON	Auto Answer - Doorphone answers when incoming call is detected.
2	ON	Call Timer - See E-10 manual for a description of this feature. Recommended setting is "ON". This is the factory default.
3	OFF	Programming Mode - E-10 is factory pre-set, and normally does not need re-programming. Refer to E-10 manual (Viking document which is included) for details

Holovision recommends the default settings on the dip switches. See the E-10 manual for more information.

Instructions for C-2000B Controller
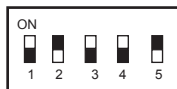
Dip Switch Settings C-2000B

DIP Switch	Position	Description
1	OFF	Auxiliary Contact Mode
1	ON	Doorbell Mode- Factory Default
2	OFF	Normal Operation Mode- Factory Default
2	ON	Security Code Bypass Mode
3	OFF	Entry Phone automatic disconnect (CPC) disabled
3	ON	Entry Phone automatic disconnect (CPC) enabled- Factory Default
4	OFF	Entry Phone busy signal disabled
4	ON	Entry Phone busy signal enabled- Factory Default
5	OFF	Single Line Ring Through Mode- Factory Default
5	ON	Analog Station Dial Through Mode

TYPE 1.1.0.3-RF

Access Programming Mode (Local Access)

STEP	ACTION
1	Move DIP switch 2 from OFF to ON position.
2	Come off-hook with any house phone connected to terminals 4 & 5 **LINE OUT TO PHONES**.
3	Double beep indicates accessing the programming mode.
4	You can now program the C-2000A. The features covered in this manual are **Maximum Doorphone Ring Count** and **Door Strike Activation Time**. For information on programming other features see the Viking C-2000 manual.
5	Move DIP switch 2 back to the **OFF** position.

Maximum Doorphone Ring Count - Factory Default is 5 Rings

STEP	ACTION
1	Follow steps 1-3 from "**Access Programming Mode**" (above).
2	At "double beep" enter desired number of rings, followed by #61. Example: For 7 rings, enter "07#61".
3	Hang up the phone.

Program Gate Strike Relays - Factory Default is 0.5 Seconds

STEP	ACTION
1	Follow steps 1-3 from "**Access Programming Mode**" (above).
2	At "double beep" enter desired number of rings, followed by: #19 for Gate 1, #29 for Gate 2, #39 for Gate 3, #49 for Gate 4 Examples: Set Gate 1 for 8 seconds (08#19); Set Gate 3 for 15 seconds (15#39)
3	Hang up the phone.

Viking Operation

Operation Instructions for C-2000B Controller

ANSWER A CALL FROM DOORBOX
When the phones ring, pick up a phone to be connected to the visitor.

PLACING CO LINE CALLS ON HOLD (CALL WAITING)
If a phone call is in progress, and a doorbox is activated, one to four beeps will be heard (indicating which doorphone is calling). To place the call in progress on hold and speak to the visitor, push **#**. When you want to return to the original phone call, push **#.**

ACTIVATING A DOORSTRIKE OR OPENING A GATE
When a call is in progress, press ****** to open the gate and return to the original call. If you do not want to open the gate, press **#** to return to the original call.

Set Essex Relay Options

Procedure

GOAL: To use jumper pins on circuit board to configure standard relay options. In this configuration, Codes 1 and 2 operate Relay 1.   Codes 3, 4, 5 operate Relay 2.

Step	Action				
1	Relay 1 and 2 activate. Only Relay 1 latch*				

Code	Relay 1		Relay 2		
	Open	Latch	Open	Latch	
Master Code	No	No	No	No	
Code 1,2	Yes	Yes	No	No	
Code 3, 4, 5	No	No	Yes	No	

Relay 1

Master Unlock
1, 2 Unlock
3,4,5 Unlock
1,2 Latch
3, 4,5 Latch
CCTV
Doorbell

Relay 2

Step	Action				
2	Relay 1 and 2 activate and latch*				

Code	Relay 1		Relay 2		
	Open	Latch	Open	Latch	
Master Code	No	No	No	No	
Code 1,2	Yes	Yes	No	No	
Code 3, 4, 5	No	No	Yes	Yes	

Relay 1

Master Unlock
1, 2 Unlock
3,4,5 Unlock
1,2 Latch
3, 4,5 Latch
CCTV
Doorbell

Relay 2

*LATCHING RELAY: In order to latch either relay, simply enter the code, followed by "7".
Repeat (code, 7) in order to unlatch the relay.

The top example would be used where the driveway gate was connected to Relay 1 (and could be locked open), and the pedestrian gate was connected to Relay 2. (No latching possible).

TYPE 1.1.0.3-RF

Set Master Code

Step	Action
1	Press "Program" switch once. (keypad will beep 4 times)
2	Once "Program" switch is pressed, you have 2 minutes to complete Step 5.
3	Press "1119". (you will hear 3 beeps)
4	Step 5 must be completed within 5 seconds of Step 3.
5	Enter "Master Code" *
6	Wait 5 seconds for 3 beeps to confirm new "Master Code".

Set User Code 1

Step	Action
1	Enter "Master Code"
2	Enter 111 (3 beeps).
3	Enter User Code 1.
4	Wait 5 seconds for 3 reset beeps.

Set User Code 2

Step	Action
1	Enter "Master Code"
2	Enter 113 (3 beeps).
3	Enter User Code 2.
4	Wait 5 seconds for 3 reset beeps.

Set User Code 3

Step	Action
1	Enter "Master Code".
2	Enter 115 (3 beeps).
3	Enter User Code 3.
4	Wait 5 seconds for 3 reset beeps.

* MASTER CODE: The default Master Code is 13579. This should be replaced by a unique code to be used only by your company. The Master Code can be 3 to 8 digits long.

Programming the Essex Keypad

Set User Code 4

Step	Action
1	Enter "Master Code".
2	Enter 117 (3 beeps).
3	Enter User Code 4.
4	Wait 5 seconds for 3 reset beeps.

Set User Code 5

Step	Action
1	Enter "Master Code".
2	Enter 119 (3 beeps).
3	Enter User Code 5.
4	Wait 5 seconds for 3 reset beeps.

Delete Any Code

Step	Action
1	Enter Master Code .
2	Enter address of code to be deleted (111, 113, etc.).
3	Do not enter any code until you hear 3 reset beeps.
4	Wait 5 seconds for 3 reset beeps.

Note: User codes can be 3 to 8 digits

Latch a Relay

Step	Action
1	Enter any User Code (1 -5).
2	Enter "7". This will cause the relay to latch (subject to the jumper pin settings - see Page 5).
3	To unlatch the relay, re-enter the user Code, followed by "7".

Set Activation Time Of Relay 1 (User codes 1 & 2 - see note below)

Step	Action
1	Press "Program" switch (keypad will beep 4 times).
2	Enter 1117 (3 beeps).
3	Enter 1 for every 1 second latch time, and 5 for every 5 seconds.
	Examples: 6 seconds = 5, 1 8 seconds = 5, 1, 1, 1 12 seconds = 5, 5, 1, 1
4	Wait 5 seconds for 4 reset beeps.

Set Activation Time Of Relay 2 (User codes 3, 4& 5 - see note below)

Step	Action
1	Press "Program" switch (keypad will beep 4 times).
2	Enter 1115 (3 beeps).
3	Enter 1 for every 1 second latch time, and 5 for every 5 seconds.
	Examples: 6 seconds = 5, 1 8 seconds = 5, 1, 1, 1 12 seconds = 5, 5, 1, 1
4	Wait 5 seconds for 4 reset beeps.

Note: The above 2 steps are actually setting the activation times for user code 1, 2 and user code 3, 4, 5. Using the jumper pin setting as shown in "Set Essex Relay Options", this will set activation time of Relays 1 & 2.

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