HOLOVISION

Manual Type 6.5.0.3-RF
Viking E-10 & C-2000B
with Essex "ASCII" Keypad

For Models

400-A-VIK(E10) 401-A-VIK(E10)
403-A-VIK(E10) 404-A-VIK(E10)
410-A-VIK(E10) 411-A-VIK(E10)

Specifications

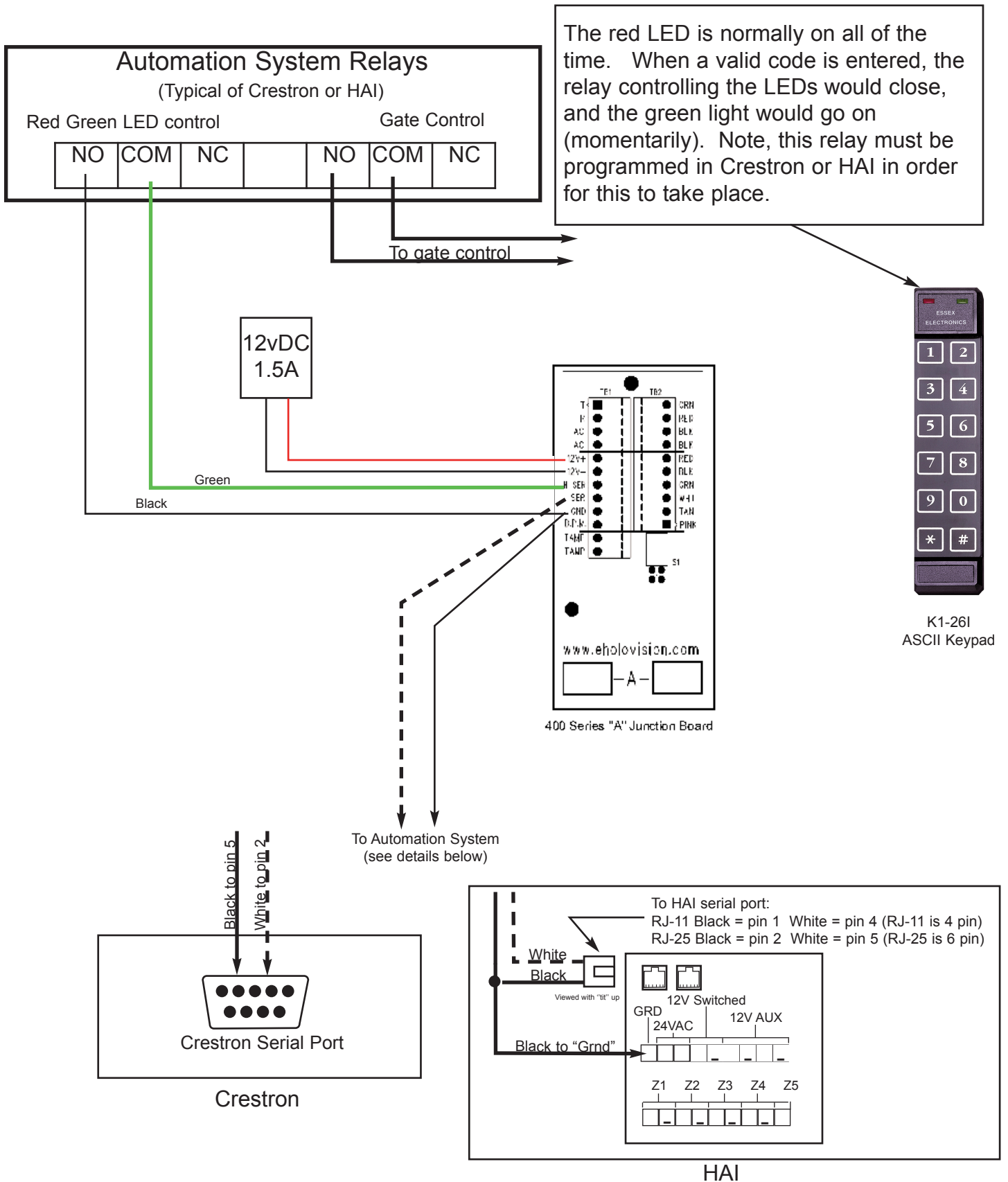| Communication	Access Control
Viking E-10 Doorbox uses "half-duplex" communication, allowing for high speaker and microphone volume, without the possibility of feedback.	Essex K1-26I Keypad field configurable to ASCII, Wiegand and others. C-2000b can open 4 doors

Intercom to C-2000B (Not polarity sensitive)
Not Used
12 VDC input (for camera and keypad)
Normal Serial
Inverted Serial
Ground
Bit Parity Mode
Connect tamper switch to alarm (optional)

TB1: T, R, AC, AC, 12V+, 12V−, N SER, I SER, GND, B.P.M., TAMP, TAMP
TB2: GRN, RED, BLK, BLK, RED, BLK, GRN, WHT, TAN, PINK
S1

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—A—
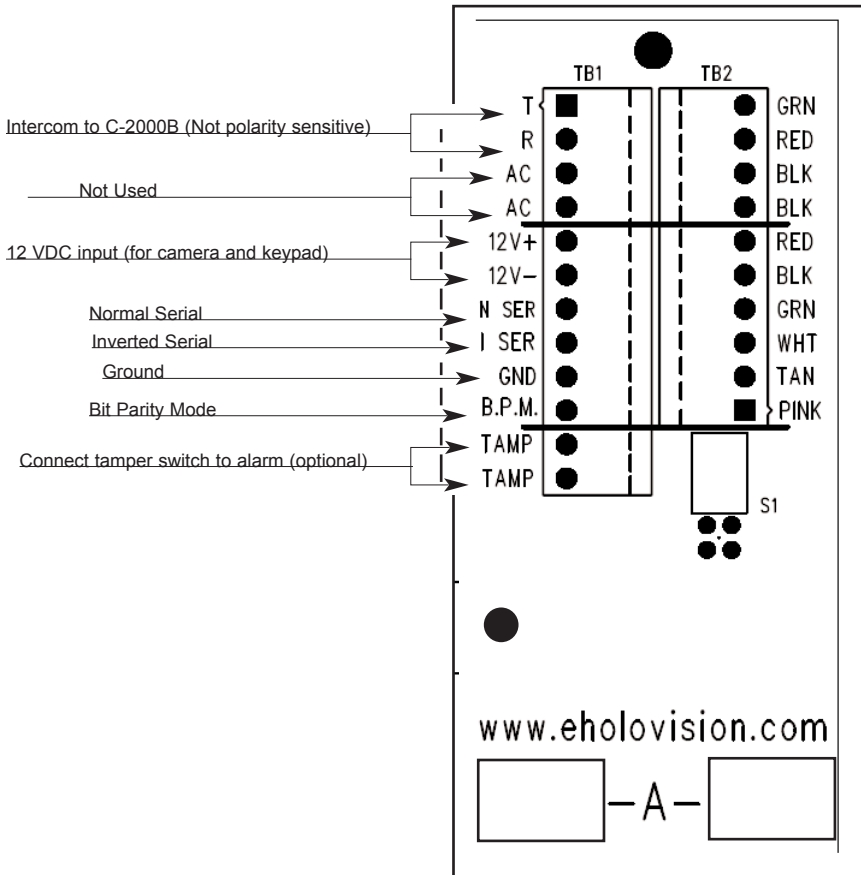
400 Series "A" Junction Board

**501 E. Goetz Ave.
Santa Ana, Ca 92707**

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**Ph. 714-434-6904
Fax 800-362-0002**

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ASCII Connection to Crestron or HAI 400

Automation System Relays
(Typical of Crestron or HAI)

Red Green LED control | Gate Control

NO	COM	NC		NO	COM	NC

The red LED is normally on all of the time. When a valid code is entered, the relay controlling the LEDs would close, and the green light would go on (momentarily). Note, this relay must be programmed in Crestron or HAI in order for this to take place.

To gate control

12vDC
1.5A

Green

Black

ESSEX ELECTRONICS

K1-26I
ASCII Keypad

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—A—

400 Series "A" Junction Board

To Automation System
(see details below)

Black to pin 5

White to pin 2

Crestron Serial Port

Crestron

To HAI serial port:
RJ-11 Black = pin 1 White = pin 4 (RJ-11 is 4 pin)
RJ-25 Black = pin 2 White = pin 5 (RJ-25 is 6 pin)

White
Black

Viewed with "tit" up

12V Switched
GRD
24VAC   12V AUX

Black to "Grnd"

Z1   Z2   Z3   Z4   Z5

HAI

Type 6.5.0.3-RF

Viking C-2000B Wiring Diagram

VIKING℅

Model C-2000B

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

13.8 VAC 1.25A

Incoming CO

House Telephones

To Door Phone #2
To Door Phone #3
To Door Phone #4

TO GATE CONTROLLER OR "REMOTE TERMINALS" ON ASCII CONTROLLER

12vDC 1.5A

For Camera

To Automation System Relay NO & COM

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— A —

400 Series "A" Junction Board

To Automation System

TYPE 6.5.0.3-RF

Doorphone Programming

Instructions for E-10 and E-40 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.
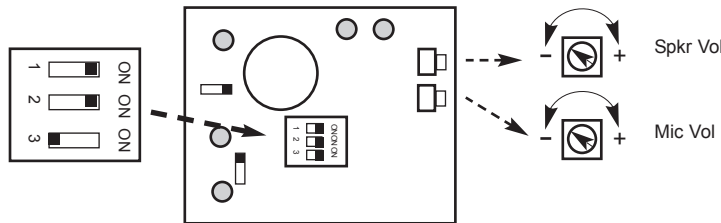
Dip Switch Settings

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 or E-40 manual for more information.

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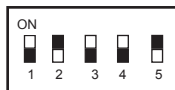
Dip Switch Settings C-2000B

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

Instructions for C-2000 Controller

The C-2000 controller is factory set to work right out of the box. If customization of the default settings is required, see the steps listed below. Refer to the C-2000 manual for additional options

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 seconds of strike activation, 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.

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.

Strike can be activated with out the need of a "call-first" to the entry phone. Refer to the list below for codes for specific entry relays.

Entry Relay	Strike Code
1	#1**
2	#2**
3	#3**
4	#4**