

HOLOVISION

Manual Type 1.1.0.7-RF

TES2 with Essex 265 Controller

For Models

101-TES2	203-TES2
103-TES2	301-TES2
107-TES2	302-TES2
201-TES2	

Specifications

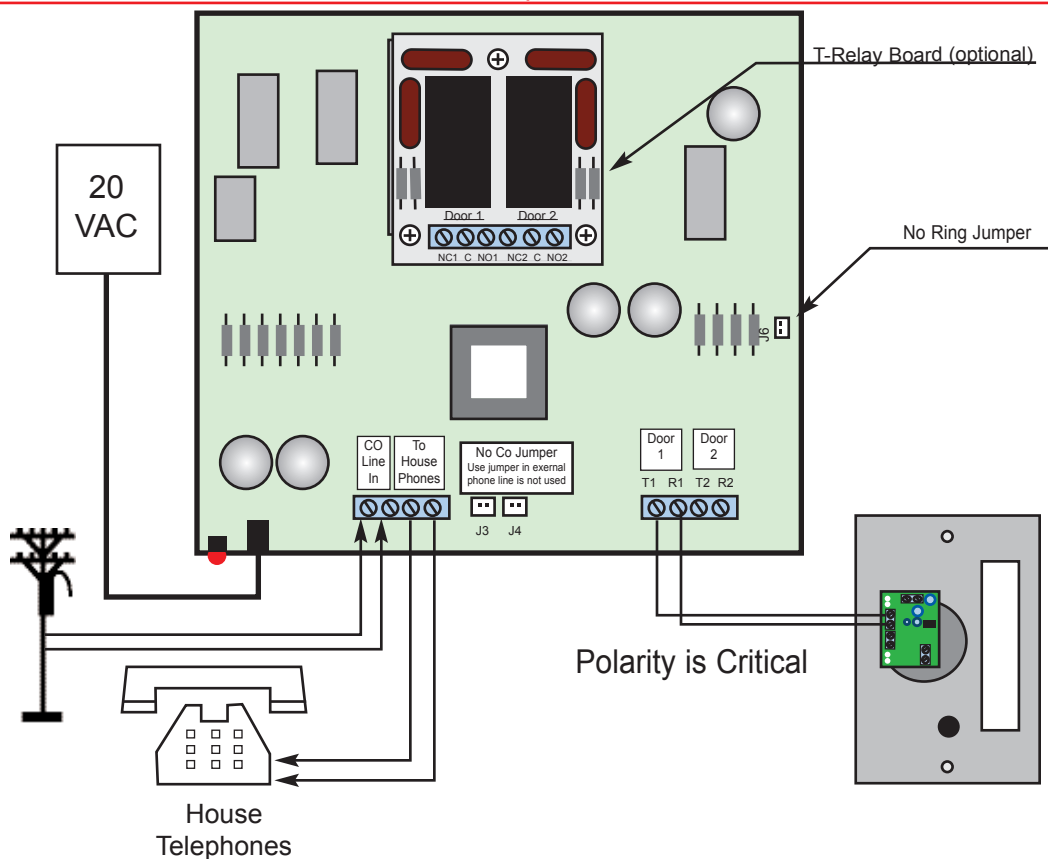
Communication

TES2 telephone entry system provides a communication link between the front door and every phone in the house. When the button is pressed, the phones in the house will ring with a distinctive ring.

The home owner can then speak to the visitor by answering any of the ringing phones in the House. TES2 is a 2 door system (front door, back door).

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



NOTE: Voltage from telephones is not necessary for the system to work. (See note "No CO operation" on page 2).
The connection between the main board and the speaker board is **polarity sensitive**. Please note the connection shown above.

INSTALLATION INSTRUCTIONS

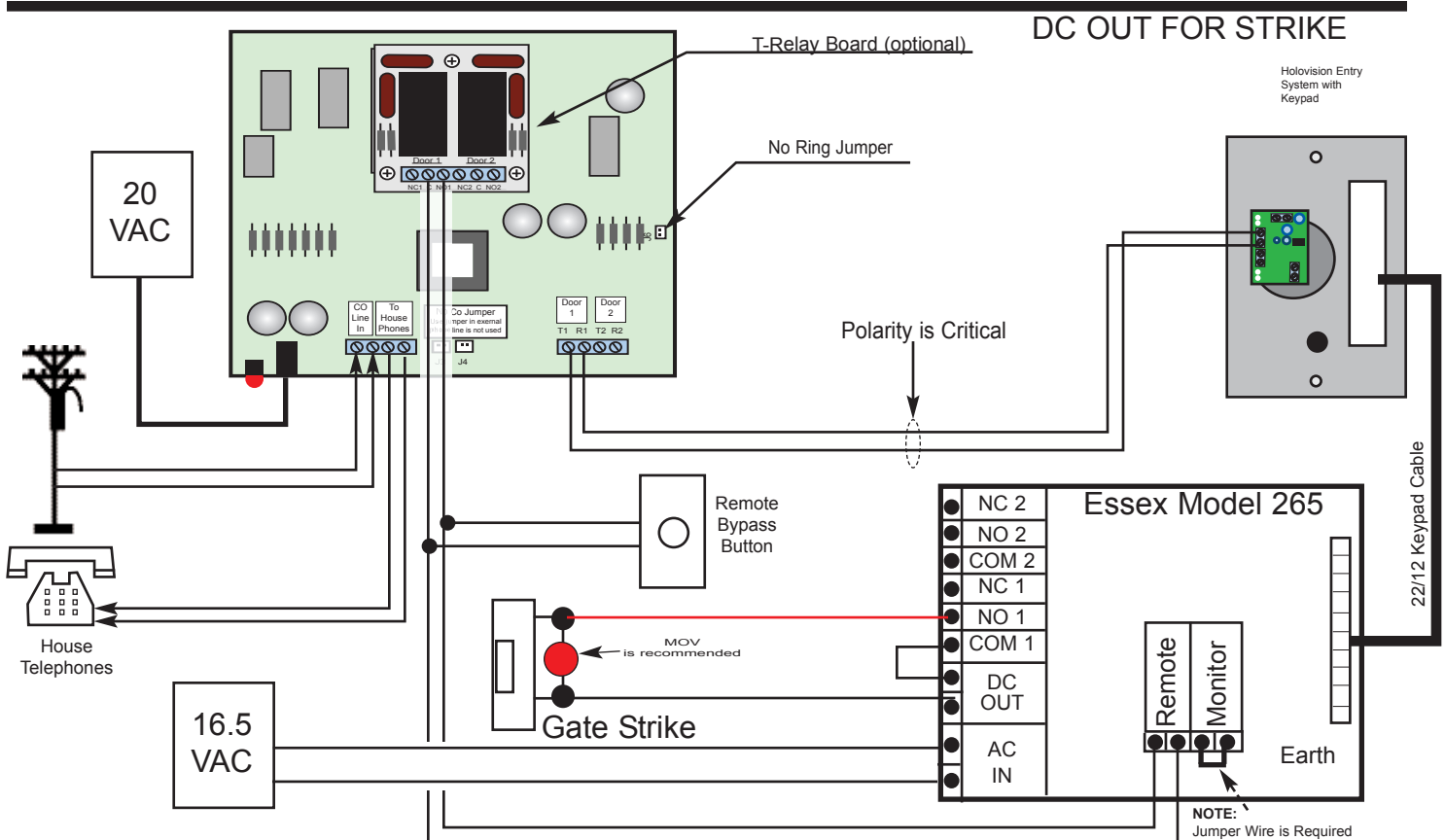
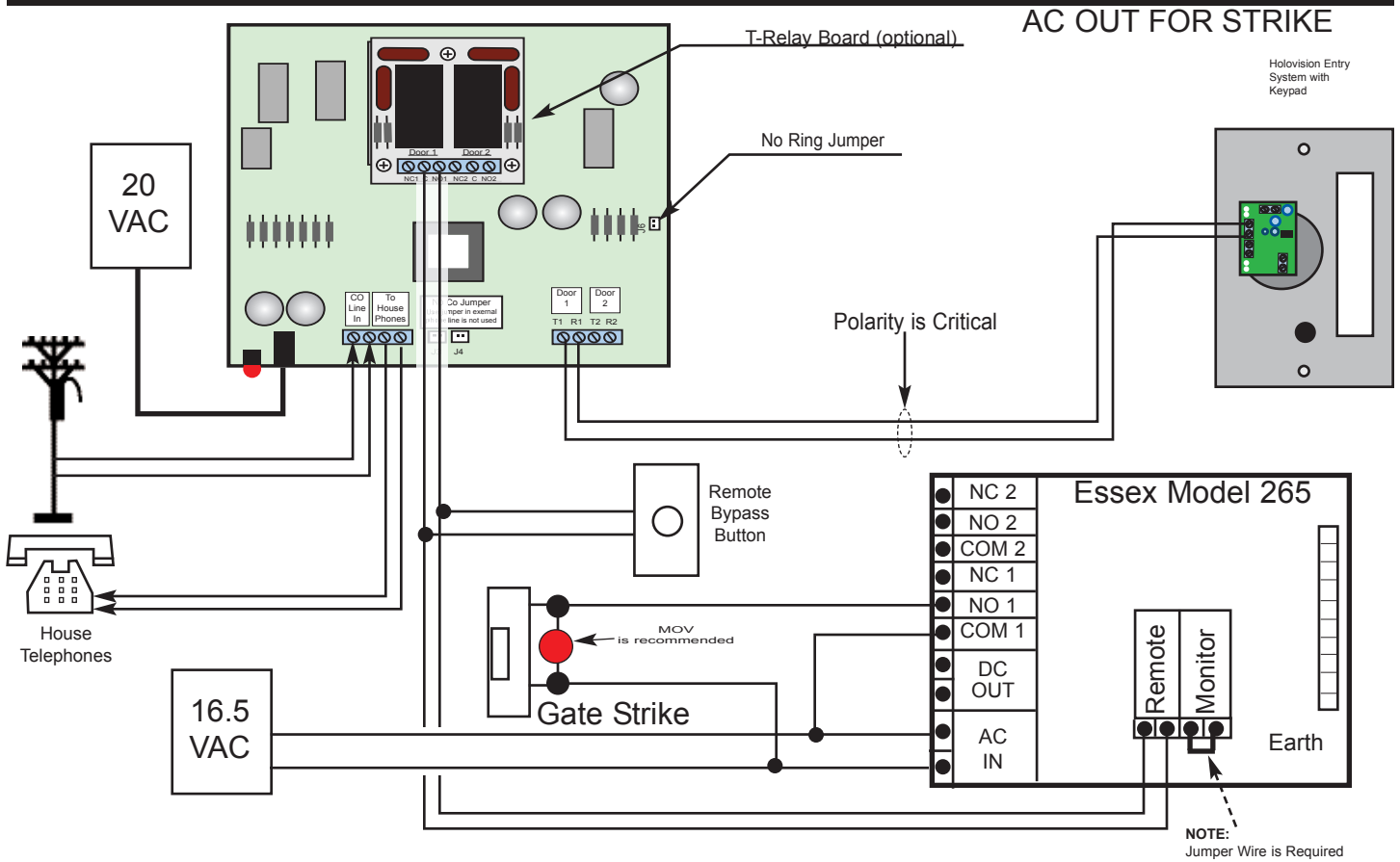
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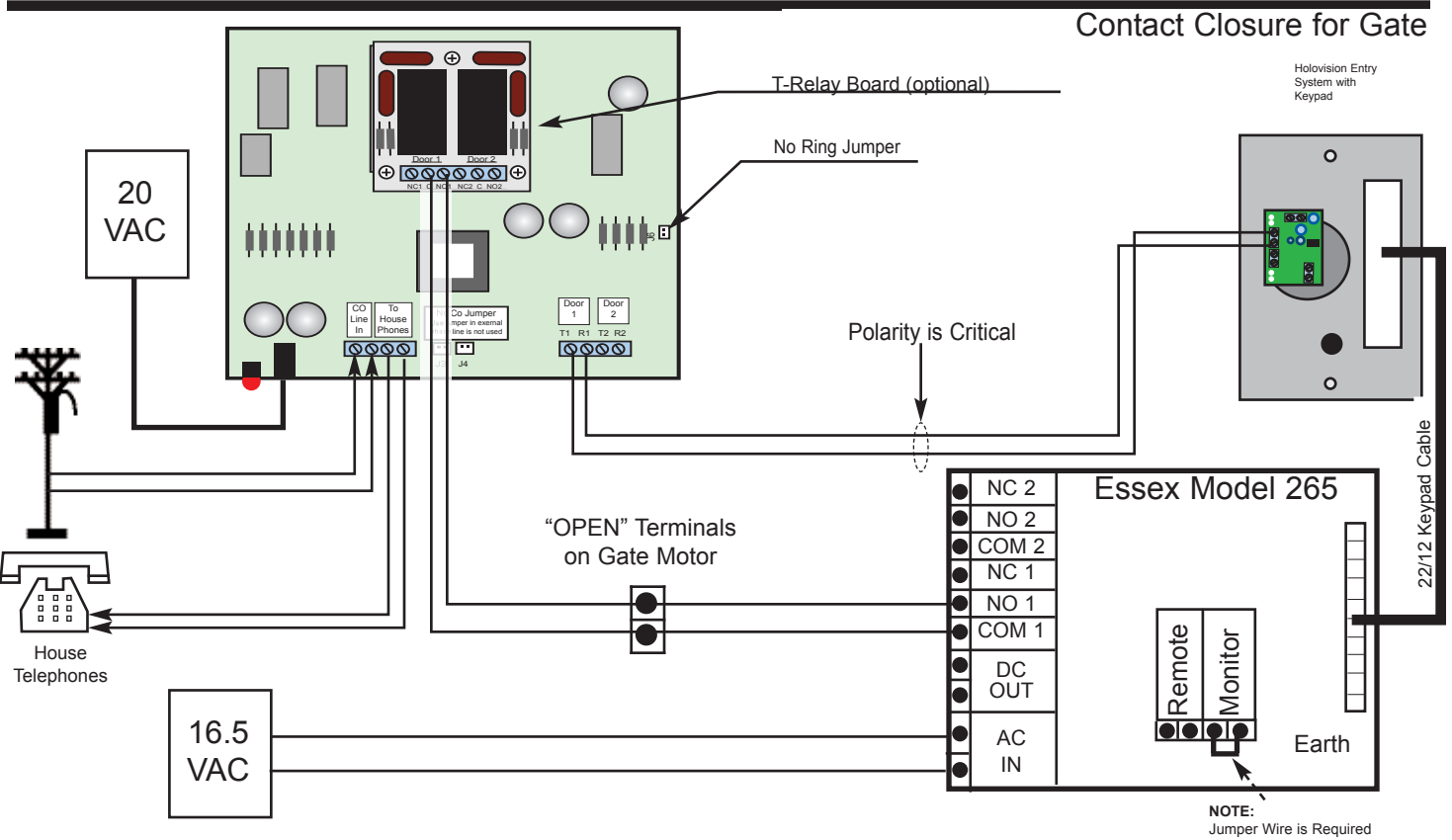
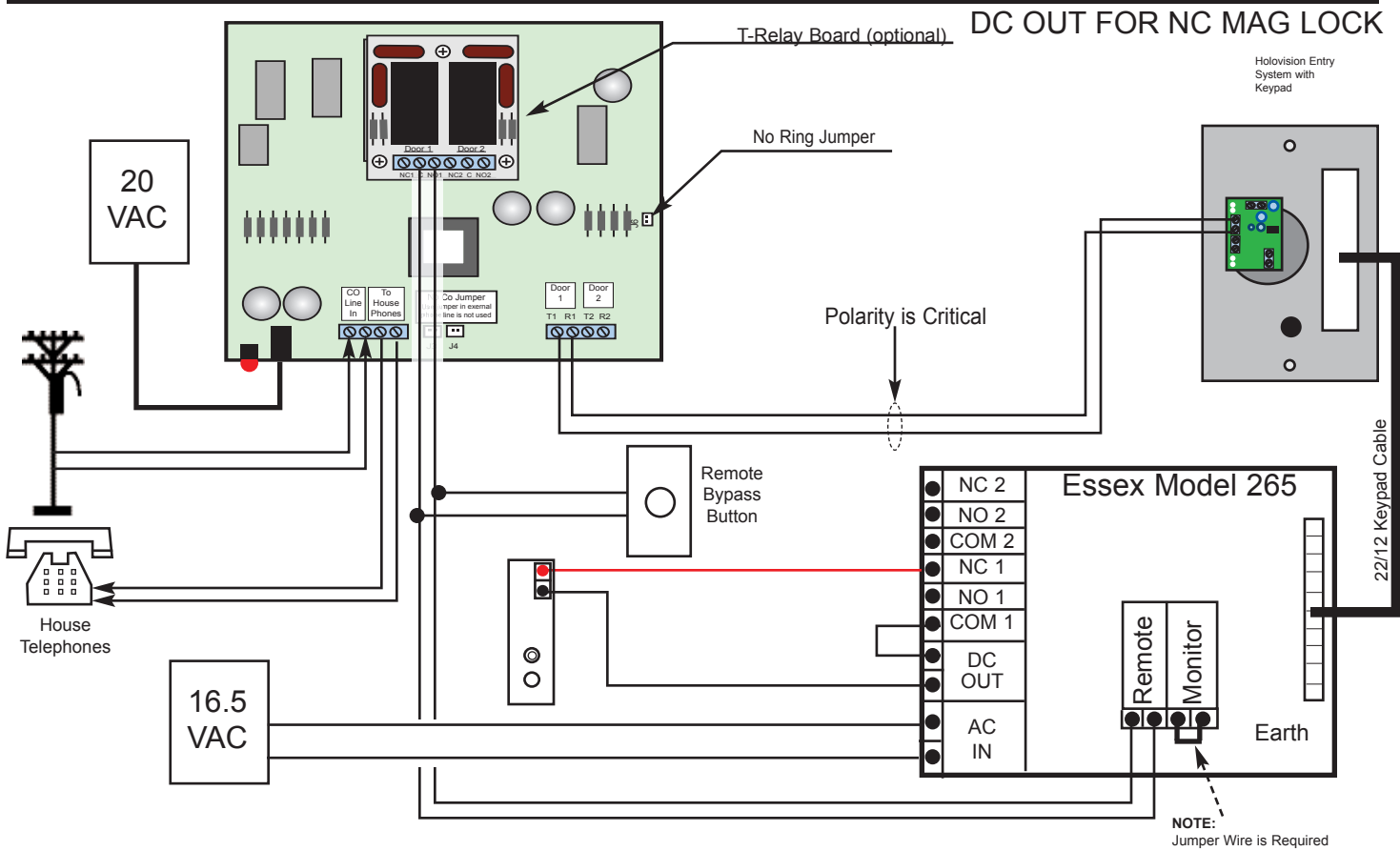
HOLOVISION

Essex Keypad and TES2 Relay Wiring



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

Essex Keypad and TES2 Relay Wiring



*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.

TES2 Telephone Entry System

Basic Set-Up

Step	Action
1	Mount the main board near the telephone distribution center of the house and attach the telephone line from the service provider to the connection labeled " LINE TO DEMARC ".
2	Connect the house phone distribution system to the wire terminals labeled " HOUSE PHONE ".
3	Punch down " ONE " and " TWO " door stations. If only one door station is being used, it should be connected on the " ONE " punch down location. Note: The connection is polarity sensitive.

Set "No Ring" Option (TES2 is shipped with this option **DISABLED**)

Step	Action
1	The " NO RING " option is to be used if external door chimes are being used in the house, and the phones should not ring when the door bell button is pushed. When the " NO RING " option is selected, the phones will not ring. When the homeowner hears the external door chime (not supplied by Holovision), and then picks up any telephone, they will be automatically connected to the door phone. No additional buttons need to be pushed. The door call will be available for 10 seconds after the button is pushed. After 10 seconds, follow the instructions shown for " Basic Operation of TES2 ".
2	For " NO RING " option, install jumper pin (J6) on far right side of board. TES2 is shipped with this option disabled.
3	In order to connect door chimes and TES2, a double pole button must be used . The double pole button (Part number 9202) is available from holovision.

Set "No CO Line" Option (TES2 is shipped with this option **DISABLED**)

Step	Action
1	For " NO CO " option is to be used if there is no CO (Central Office) line to the home. The No CO option would be used if the homeowners used cell phone only (no house phone line). In this case, several phones would be required throughout the house. These phones would be used only for answering door phone calls.
2	For " NO CO " option, install 2 jumper pins if (J3, J4) at the bottom of the board. TES2 is shipped with this option disabled.

Connect Gate Strike Relay

Step	Action
1	The relay board is equipped with screw terminals. This has connections for each relay in normally open (" NO ") and normally closed (" NC ") options.
2	Attach to either NO or NC connectors. If a second gate is being used, also connect it to NO or NC connectors.

Door Ring Patterns

Door 1	3 groups of 3 rings (ring ring ring), (ring ring ring), (ring ring ring).
Door 2	3 groups of 2 rings (ring ring), (ring ring), (ring ring).

Operation of TES2

ANSWER THE CALL When you hear the distinctive ring pattern selected above:

within 10 seconds - simply pick up any telephone to be connected to the door speaker which initiated the call.

after 10 seconds - pick up any telephone, flash, and you will be connected to door 1. To be connected to door 2, pick up telephone, flash, and hit "2"

CALL WAITING TES2 has built-in call waiting. If the house phone is in use when the door button is pushed, the caller will receive a call waiting tone. To answer the "door call" simply flash to answer the "door call" and flash again to return to the original call.

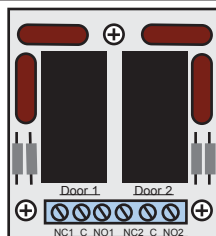
SWITCH TO OTHER DOOR Users can switch to the other door station by pushing "1" or "2" while connected to door 1 or door 2.

INITIATE A CALL

To initiate the call from a phone in the house simply go off hook and flash for door 1 or go off hook and flash "2" for door two.

Operation of T-RLY

If the TES2 Relay board is installed, the door latch/gate relay can be activated by pushing "6". The relay will be activated for 5 seconds. To increase the activation time, hold down the "6" key for the desired amount of time.



Optional T-Rly Board (9408-3)

Programming of Essex Keypad

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.

* 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.

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.

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.

Set Essex Relay Options

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

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

***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).