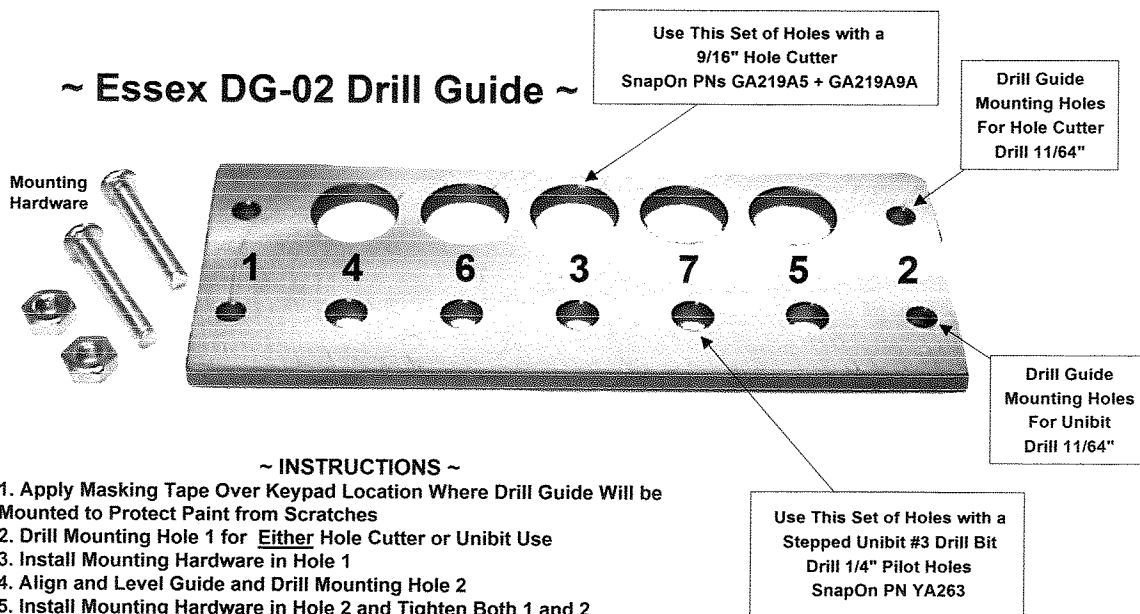


1. Remove door panel and adjacent kick panel to locate power source and control or relay interface points.
2. Measure available power levels under load for sufficient current.  
**Note:** The AKE-5 requires 60mA at 10 Volts DC minimum (make sure the power source you select does not drop below 10 Volts when actuating the door locks, lights, or other power accessories).
3. Pre install system. Connect to power and connect to control points and test required functions prior to physical installation.
4. Pre select keypad installation location and inspect for proper internal door clearances, customer ease of use and best appearance.
5. If required splice, solder and heat shrink longer cable harness to required control points.
6. Using Essex template make cut-out.
7. Apply generous amount of rust inhibitor to holes.
8. Install the keypad and make all terminations.
9. Install the program switch in a hidden but accessible location.
10. Retest for proper system operation.
11. Change Factory Default Master User Code. Default Code: 1 3 5 7 9  
**TIP:** Use the customer's phone number as the code.
12. Make any additional required programming changes.
13. Verify keypad to control point cable harness is free from interference with window up/down operation and side impact bags if present. Use cable ties to secure unobstructed cable path.
14. Apply keypad overlay.
15. Replace all panels.
16. Place User Guide in glove box after writing in Programming Switch Location and Master User Code in provided spaces (also on User Code Guide Sheet).



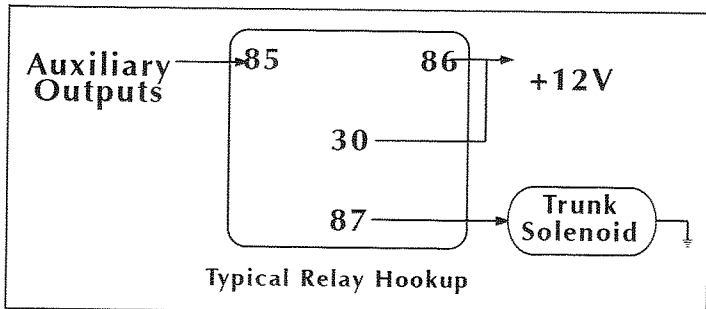
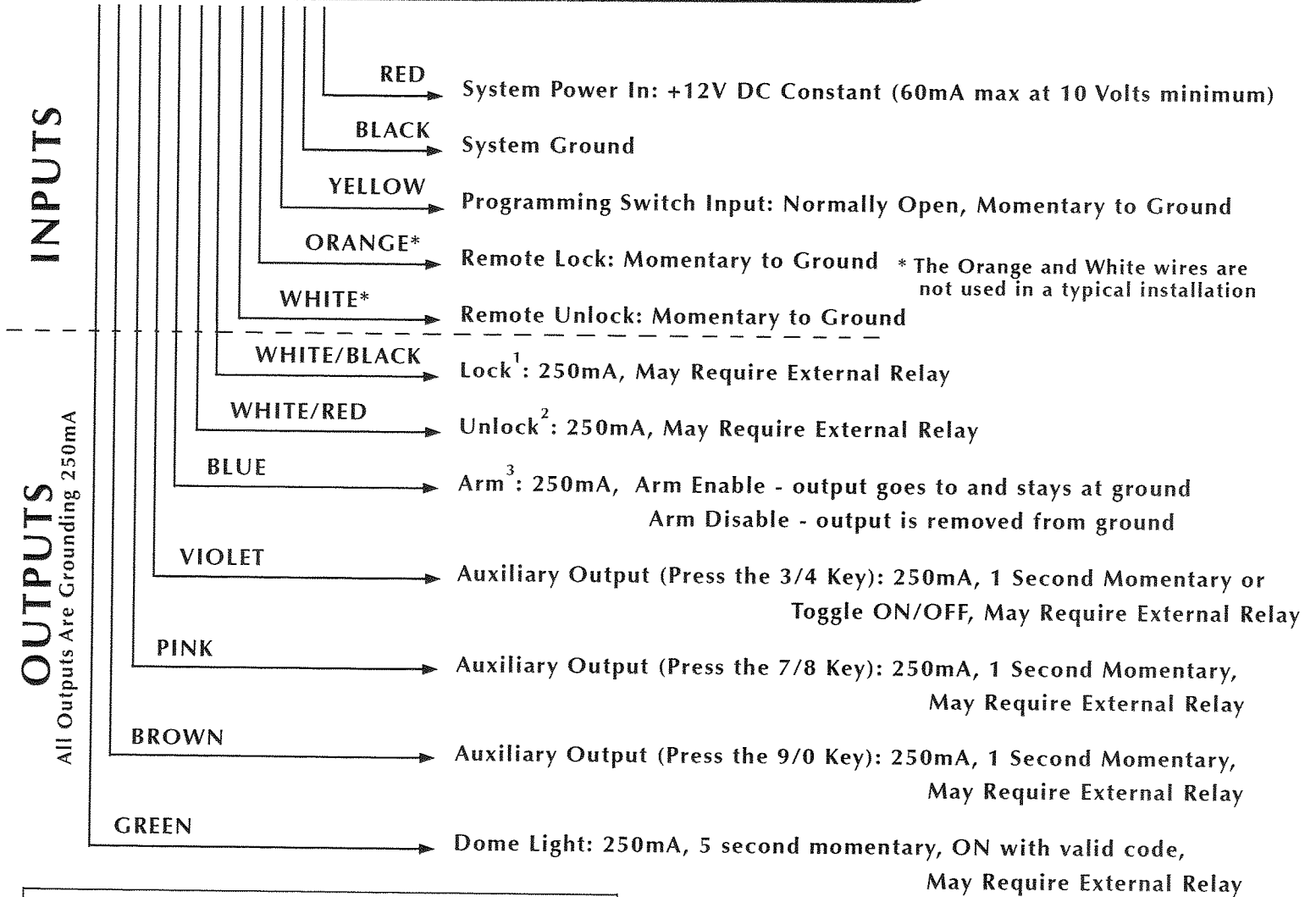
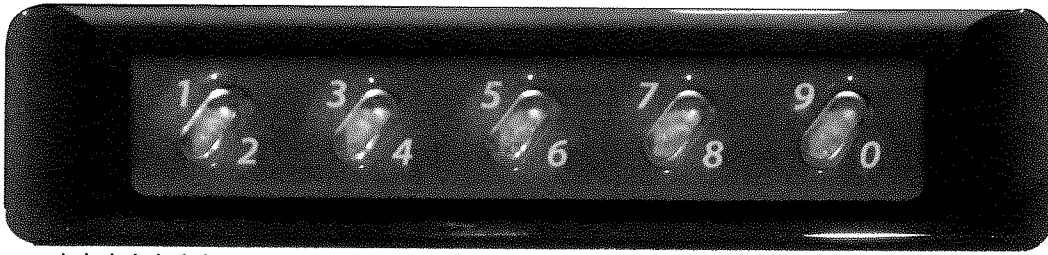
1. Apply Masking Tape Over Keypad Location Where Drill Guide Will be Mounted to Protect Paint from Scratches
2. Drill Mounting Hole 1 for Either Hole Cutter or Unibit Use
3. Install Mounting Hardware in Hole 1
4. Align and Level Guide and Drill Mounting Hole 2
5. Install Mounting Hardware in Hole 2 and Tighten Both 1 and 2
6. Drill Keypad Holes in Numbered Sequence with Either Hole Cutter or Unibit Pilot Drill
7. For Unibit use, Remove Drill Guide after Pilot Holes are Drilled and Continue to Open Keypad Holes with Unibit Drill Bit to 9/16"
8. Remove Tape and Apply Liberal Amount of Rust Inhibitor Around Holes

### **\*Removal of the manufacturer's date code label will void the warranty!**

The AKE-Series is covered by a 3 year limited warranty against defects in materials and workmanship. Essex Electronics disclaims any and all damages or injuries that may result from the installation or use of this product.

AKE-5-QIG – Revision E-7-22-11

# AKE-5 Wiring Diagram



- 1) Lock Code 559: Locks the Door, Arm Enabled, Arms the Keypad  
Lock Code 557: Locks the Door and Arms the Alarm  
Lock Code 555: Locks the Door and Activates 3 Digit Convenience Codes (if enabled)
- 2) Any Valid User Code Unlocks the Door and Arm Disabled.
- 3) Arm Enabled by Lock Codes 559 and 557  
Arm Disabled by any valid User Code.

Patents Pending. Specifications Subject to Change Without Notice

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Visit <http://www.keyless.com/PDF/GeneralWarranty.pdf> for more information.

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Version 0511R1

AKE-5 Code Types		
Code Type	User Type	Function
<b>Master User Code</b> 1 Changeable Code, 3 – 8 Digits Long Factory Default: 1 3 5 7 9	Vehicle Owner, Operator, or Manager	- Vehicle Entry & Auxiliary Output Control - Add, Change, Delete Optional User Codes
<b>Optional User Codes</b> 5 Changeable Codes, 3 – 8 Digits Long	Family Member, Friend, Mechanic, Valet, Authorized Vehicle Operator	- Vehicle Entry & Auxiliary Output Control
<b>Lock Code</b> 3 Non Changeable Codes - Lock Code 559 - Lock Code 557 - Lock Code 555	Everyone	- 559 -Locks Door, Arms Alarm, Arms Keypad, Cancels 3-Digit Convenience Code Mode - 557 – Locks Door, Arms Alarm, Cancels 3-Digit Convenience Code Mode - 555 – Locks Door, Activates 3-Digit Convenience Code (if enabled)

AKE-5 Code Programming Commands	
Code Type	Commands
Master User Code  <div style="border: 1px solid black; padding: 5px; width: fit-content;">             Where is the Programming Switch Installed?               What is my Master User Code?           </div>	<b>To Change The Master User Code</b> <ol style="list-style-type: none"> <li>1. Locate and press the Programming Switch</li> <li>2. 4 Rapid Beeps 🔔 will sound</li> <li>3. Enter 1119 on the keypad</li> <li>4. 3 Rapid Beeps 🔔 will sound</li> <li>5. Enter the new 3 – 8 Digit Master User Code within 5 seconds</li> <li>6. Wait 5 seconds for 3 Rapid Beeps 🔔</li> <li>7. Test the new Master User Code</li> <li>8. If the new code does not work, repeat Steps 1. – 7.</li> </ol>
<b>! Caution !</b> <b>Make sure you have door keys or leave a window open before testing the new Master User Code!</b>	
Code Type & Memory Location	Commands
Optional User Code 111 Optional User Code 113 Optional User Code 115 Optional User Code 117 Optional User Code 119	<b>To Add or Change an Optional User Code</b> <ol style="list-style-type: none"> <li>1. Enter the Master User Code on the keypad</li> <li>2. Enter the Optional User Code Memory Location Number</li> <li>3. Example: 111</li> <li>4. 3 Rapid Beeps 🔔 will sound (command accept)</li> <li>5. Enter the new 3 – 8 Digit Optional Use Code</li> <li>6. Wait 5 seconds for 3 Rapid Beeps) (system reset)</li> <li>7. Test the new Optional User Code</li> <li>8. If the new code does not work, repeat Steps 1. – 7.</li> <li>9. Repeat Steps 1. – 7. to add additional Optional Users</li> </ol>
Optional User Code 111 Optional User Code 113 Optional User Code 115 Optional User Code 117 Optional User Code 119	<b>To Delete an Optional User Code</b> <ol style="list-style-type: none"> <li>1. Enter the Master User Code on the keypad</li> <li>2. Enter the Optional User Code Memory Location #</li> <li>3. 3 Rapid Beeps 🔔 will sound (command accept)</li> <li>4. Wait 5 seconds for 3 Rapid Beeps 🔔 (system reset)</li> <li>5. Test the deleted Optional User Code</li> <li>6. If the deleted code still works, repeat Steps 1. – 4.</li> </ol>
<b>CAN'T START CODE WITH #5</b>	<b>Note:</b> One Long Beep indicates an error – allow the system to reset - 2 Rapid Beeps 🔔 - then proceed to re-enter the required commands

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<b>AKE-5 System Setup Programming Commands</b>	
<b>Setup</b>	<b>Commands</b>
<b>Change 3/4 Key Function</b>	<p><b><u>Change Auxiliary Output 3/4 to Toggle ON/OFF</u></b></p> <ol style="list-style-type: none"> <li>1. Locate and Press the Programming Switch</li> <li>2. 4 Rapid Beeps 🔔 will sound (command accept)</li> <li>3. Enter 1113 on the keypad</li> <li>4. 2 Rapid Beeps 🔔 will sound (system reset)</li> <li>5. Enter 1 to enable 3/4 Key Output to Toggle ON/OFF</li> <li>6. 4 Rapid Beeps 🔔 indicates successful mode change <b>Note:</b> 1 long beep indicates error - press 1 again</li> <li>7. Test: by entering a valid unlock code followed by pressing the 3/4 Key within 5 seconds of the last key press.</li> </ol> <p><b><u>Change Auxiliary Output 3/4 to Momentary</u></b></p> <ol style="list-style-type: none"> <li>8. Repeat Steps 1. – 5.</li> <li>9. Enter 9 to enable momentary mode (1 second) (default)</li> <li>10. <b>Feedback:</b> 4 beeps indicates successful mode change <b>Note:</b> 1 long beep indicates error - press 1 again</li> <li>11. Test: by entering a valid unlock code followed by pressing the 3/4 Key within 5 seconds of the last key press.</li> </ol> <p><b>Note:</b> When either programming command is successfully completed the system will automatically restart to accept and activate the new system setup parameters. On restart the toggle auxiliary Output 3/4 (press the 3/4 Key) will be in the resting, inactive, or OFF state and the alarm output will be ON or armed.</p>
<b>Convenience Codes</b>	<p><b><u>Enable 3-Digit Convenience Codes</u></b></p> <ol style="list-style-type: none"> <li>1. Locate and Press the Programming Switch</li> <li>2. 4 Rapid Beeps 🔔 will sound</li> <li>3. Enter 1115 on the keypad</li> <li>4. 2 Rapid Beeps 🔔 will sound</li> <li>5. Enter 1 to Enable Convenience Code Mode</li> <li>6. 4 Rapid Beeps 🔔 indicates successful mode change <b>Note:</b> 1 long beep indicates error - press 1 again</li> <li>7. Using standard procedure, add an Optional User Test Code of more than 3 digits long – Example: 97531</li> <li>8. Test: by entering lock code 555 followed by entering the test code 975 should unlock the door. If not, repeat the programming steps.</li> <li>9. Delete the Optional User Test Code.</li> </ol> <p><b><u>Disable 3-Digit Convenience Codes (Default)</u></b></p> <ol style="list-style-type: none"> <li>10. Repeat Steps 1. – 4.</li> <li>11. Enter 9 to Disable Convenience Code Mode</li> <li>12. 4 Rapid Beeps 🔔 indicates successful mode change <b>Note:</b> 1 long beep indicates error - press 9 again</li> <li>13. Test: Enter Lock Code 555 followed by a valid User Code longer than 3-Digits. The full length code should be required to unlock the vehicle. If not, repeat the programming steps.</li> </ol> <p><b>Note:</b> One Long Beep indicates an error – allow the system to reset - 2 Rapid Beeps 🔔 - then proceed to re-enter the required commands</p>

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AKE-5 IGT - Revision F – 7-22-11