**jbs technologies**

Your Wireless Keypad will also work with a remote transmitter. For purchase of a remote transmitter or additional accessories, visit www.directwholesale.net or call 800-659-0764.

FOR TECHNICAL ASSISTANCE
**www.bulldogsecurity.com
email:
techsupport@jbstech.com
1-800-878-8007**

**FOR TECHNICAL ASSISTANCE**
www.bulldogsecurity.com
800-878-8007

JBS Technologies
225 Technology Way
Steubenville, OH 43952

# YOUR WARRANTY

**Here's how your warranty works:**
JBS Technologies warrants to the original customer, and the original car a limited lifetime warranty. Within 12 months of purchase, JBS Technologies will repair or replace, our option, any defective system at no charge. After 12 months from date of purchase, JBS Technologies will, at our option, repair or replace the system for a $30 shipping and handling fee.

Installation, labor, removal and reinstallation are not the responsibility of JBS Technologies. Registration must be completed and sent in within fourteen (14) days of purchase in order to validate the warranty. JBS Technologies makes no warranty against the theft of a vehicle or its contents. This warranty is not to be construed as an insurance policy against loss.

**DISCLAIMER**
JBS Technologies disclaims the warranty of merchantability and fitness for any particular use. This disclaimer shall be effective as to all claims of any kind made by or through any wholesaler, retailer, consumer or any other person or entity. Some states do not permit the disclaimer of implied warranties in some sales. Hence, this disclaimer may not apply to you.

**LIMITATION OF REMEDIES**
Consumer's remedy is limited to repair or replacement of the unit, and in no event shall exceed the purchase price. Incidental, consequential an/or indirect damages are expressly disclaimed. NO person or entity is authorized to alter, amend or increase this limited warranty.

# NOTES

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# CONTENTS

**WIRELESS KEYPAD TP100**

# SYSTEM FEATURES

| | |
|---|---|
| **Five-Button Wireless Keypad** | Remotely lock and unlock your vehicle from the outside |
| **Starter Immobilizer** | **You can't steal what you can't start.** Most insurance companies offer a discount for this feature. (Optional Part #773 Required) |
| **Trunk Release** | Remotely opens your trunk. (Optional part #775 required.) |
| **Parking Light Confirmation** | Confirms that your vehicle has received a remote signal and remains on for ten seconds when disarming. (Optional part #775 required.) |
| **Limited Lifetime Warranty** | Guarantees life-long protection. |

# SYSTEM COMPONENTS

**Your system includes:**
1-Installation & Operation Guide
1-Main Control Module
1-Five-Button Wireless Keypad
1-14-Pin Wire Harness
1-Warranty

# TECHNICAL ASSISTANCE

**Since there are many different makes and models of vehicles, for wiring charts and diagrams, first check our website at www.bulldogsecurity.com, call our toll-free Tech Support Hotline Monday through Friday 9AM-8PM and Saturday 10AM-4PM EST at 800-878-8007, or Email us at techsupport@jbstech.com.**

**You must give the following information:**
• Name
• Telephone Number with Area Code (Fax number if applicable)
• Year, Make, and Model of the vehicle
• The model number of the system you are installing
• The type of assistance you are requesting

# MOUNTING YOUR WIRELESS KEYPAD

Before you mount the wireless touchpad to the outside of the vehicle, make sure the control module is first installed. After your control module has been wired to the vehicle's door lock system, you will need to program the wireless touchpad to the control module. Follow the instructions for operating the keypad to ensure all functions are working properly.

After you have tested all the functions, you can mount the keypad to the desired location. Be sure to apply the keypad to a clean and dry surface before mounting. It is suggested that you use an alcohol pad or wax remover for the desired location. Room temperature mounting surface is recommended but not necessary. To mount the keypad: first roll the drivers window down as to prevent accidental lock-outs. Remove the protective backing on the double sided tape. Apply the keypad to the desired clean surface. Press firmly and hold for 10 seconds.

For painting the exterior cover you should remove the outside casing first before applying to the vehicle.

**INSTALLATION NOTE:** If your vehicle is serviced or the vehicle's battery is disconnected, the keypad system may stop functioning. If this happens, your keypad will need to be reprogrammed to the [TP] module. Either disconnect the battery for 30 seconds and reconnect, or unplug the 14 pin harness from the [TP] module for 30 seconds and plug back in. In both cases, enter your 5-digit primary code to reprogram the KEYPAD to your [TP] module.

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If you purchased optional part #773 starter immobilizer, show this card to your insurance agent, you may be eligible for a discount on your automobile insurance.

This JBS system is equipped with Starter Immobilization Output.

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Transmitter FCC ID: QV4-LRL0005
Transmitter IC ID: 4545A-LRL0005

This device complies with Part 15 of the FCC rules and RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

# RECEIVER PROGRAMMING INSTRUCTIONS Cont.

**Adding additional remotes with a working keypad**
   Enter the 5-Digit Primary Code. Press and hold Buttons 7/8 and 9/0 at the same time on the keypad for 20 seconds, release. Next, press and hold Button #1 (Lock) on the new remote for 20 seconds, then release Button #1 (Lock), try new remote.

**Adding additional remotes without a working keypad**
   Unplug the main unit from under the dash, wait one minute. Plug the unit back in and use the new remote control.

# USING YOUR WIRELESS KEYPAD



**To Lock:** Press Buttons 7/8 and 9/0 at the same time, anytime, without Entering a Primary or Secondary Code

**To Unlock**: Enter your 5-Digit Primary or Secondary Code. The 9/0 Button will flash (2) Two times and the Vehicle will automatically UNLOCK after the last Digit of the 5-Digit code is entered.

**To Pop Trunk:** Enter your 5-Digit Primary or Secondary Code and press the 5/6 Button. The 9/0 Button will flash (2) Two times and it the Trunk Release is connect the Trunk will Pop.

**Receiver Programming Mode:** Enter your 5-Digit Primary or Secondary Code and press the 7/8 Button

# PROGRAMMING FUNCTIONS FOR YOUR WALLET

## ATTENTION:
We urge you to immediately place this card in your wallet.

To enter programming mode
   Enter preset 5 digit primary code. Then hold down Button 7/8 for 10 seconds. You are now in programming mode. After programming, to exit programming mode, press and release button 7/8 again.

Programming 3.5 or 0.7 second door lock/unlock length
   Press buttons 7/8 and 9/0 at the same time once the unit is programmed for 3.5 second door lock/unlock. Press buttons 7/8 and 9/0 at the same time  twice the unit is programmed for 0.7 second door lock/unlock.

Programming for dual pulse lock/unlock
   Press button 3/4,  once the unit is programmed for dual pulse unlock. Press button 3/4 twice the unit is programmed for dual pulse lock. Press button 3/4 three times the unit is programmed for no dual pulse lock/unlock.

# BEFORE YOU BEGIN

Congratulations, you have purchased one of the most advanced keyless entry systems ever made. Your new keyless entry is a technological breakthrough utilizing the most advanced, state of the art technology and components. It is computer controlled and manufactured in the U.S.A. The dependability and variety of features make Bulldog Security the leader in the industry. Enjoy your new keyless entry for years to come!

Read this manual thoroughly before starting the installation. You must also decide if any options are desired such as starter immobilizer, trunk release and parking light confirmation. An optional relay may be needed for some of these options. **Please do not skip any steps.**

Since there are many different makes and models of vehicles, for wiring charts and diagrams, visit our website, **www.jbstech.com**

# PRECAUTIONS

## This system is designed for vehicles with power door locks only.

This system will add remote keyless entry features to any vehicle with power door locks. This will also work as a replacement system for the factory installed keyless entry system.

**DO NOT** use mechanical wiring connections, such as **crimp or snap together taps.** Follow instructions on pages 6-7.

**DO NOT** disconnect the battery if the vehicle has an anti-theft-coded radio or is equipped with an airbag. Doing so may cause a warning light to be displayed and may require a trip to the dealer to be corrected.

**DO NOT** leave the interior or exterior lights on for an extended period of time as it may cause battery drain.
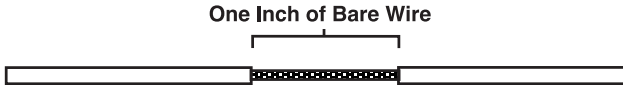
**DO NOT** mount the control module until all connections have been made and tested. Using wire ties or double sided tape, **MOUNT THE MODULE UNDER THE DASH.**

# MAKING WIRING CONNECTIONS

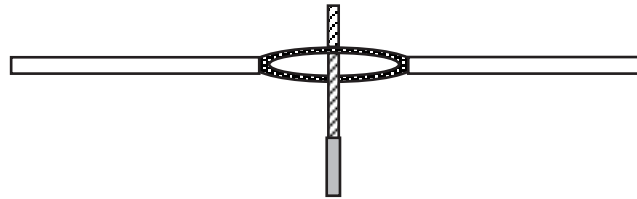1. **Strip back two inches of insulation on the wire from the keyless entry.**

   **Two Inches of Bare Wire**

2. **Strip back one inch of insulation on the wire you need to connect to.**
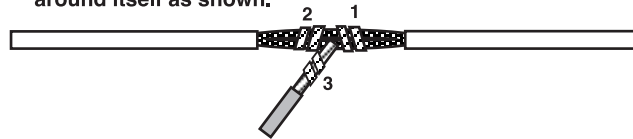
   **One Inch of Bare Wire**

3. **Separate the vehicle wire as shown. Make the separation large enough to fit the other wire through.**

4. **Insert the wire from the unit through the hole as shown.**

5. **Wrap the wire around one side then the other and finally around itself as shown.**

   2  1
   3

6. **Use electrical tape to wrap. Be sure to cover the wire about two inches on either side of the connection. First pull the wire that you have just connected along side the wire you connected to, tape and wire tie them together.Use this method for all connections.**

   **Wire Tie**   **Electrical Tape**

   **CAUTION: All wires must be wrapped and taped.**

# PROGRAMMING YOUR KEYPAD Cont.

**To Test:** Enter the New Secondary 5-Digit Code, 9/0 will flash (1) One time and **the Doors should UNLOCK.**

**Secondary Code Erasure:**
For your convenience, you can also Erase the 5-Digit Secondary Code to the KEYPAD. To do this, enter the 5-Digit Primary Code, then Press and Hold Button 1/2, then Press and Hold Button 7/8, the 9/0 Button will flash (1) One time. Release the 1/2 and 7/8 Buttons, the KEYPAD will send a UNLOCK Command to the TP Module and the 9/0 Button will flash (1) One time again to indicate the Programming is complete.

**To Test:** Enter the Old Secondary 5-Digit Code, 9/0 will not flash and **the Door Locks should not Respond.**

# RECEIVER PROGRAMMING INSTRUCTIONS

**To Enter Receiver Programming Mode:**
Enter the 5-Digit Primary Code. Press Button 7/8 for 10 seconds then release. You are now in programming mode. After programming, to exit programming mode press and release Button 7/8 again.

**Programming 0.7 and 3.5 second door lock/unlock pulse time**
Press buttons 7/8 and 9/0 at the same time once the unit is programmed for 3.5 second door lock/unlock. Press buttons 7/8 and 9/0 at the same time twice; the unit is programmed for 0.7 second door lock/unlock.

**Programming for dual pulse lock/unlock**
(Used on some imports)
Press Button 3/4 once, the unit is programmed for dual pulse unlock. Press Button 3/4 twice, the unit is programmed for dual pulse lock. Press Button 3/4 (3) Three times, the unit is programmed for no Dual Pulse Lock/Unlock.

# OPERATING FUNCTIONS FOR YOUR WALLET

**We urge you to immediately place this card in your wallet.**

**To Lock:** Press the 7/8 and 9/0 Buttons at the same time. If the Starter Immobilizer Relay is installed at this time, the starter immobilizer will engage.

**To Unlock:** Enter the 5-Digit Primary Code, when the last number of your Primary code is entered the doors will Unlock and the Starter interrupt will be disengaged.

**Trunk Pop** (If connected) Enter the 5-Digit Primary Code. Press and release button 5/6 (trunk), the trunk will release. This will send a negative 250ma output as long as button 5/6 is held down. If you need a momentary pulse out of the 5/6 Button, just press and release.