PYTHON®

Model 950
Owner's Guide

Limited Lifetime Consumer Warranty

Directed Electronics promises to the original purchaser to repair or replace with a comparable reconditioned model any Directed Electronics unit (hereafter the "unit"), excluding without limitation the siren, the remote transmitters, the associated sensors and accessories, which proves to be defective in workmanship or material under reasonable use during the lifetime of the vehicle provided the following conditions are met: the unit was professionally installed and serviced by an authorized Directed Electronics dealer; the unit will be professionally reinstalled in the vehicle in which it was originally installed by an authorized Directed Electronics dealer; and the unit is returned to Directed Electronics, shipping prepaid with a legible copy of the bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number and address; the authorized dealers name, telephone number and address; complete product description, including accessories; the year, make and model of the vehicle; vehicle license number and vehicle identification number. All components other than the unit, including without limitation the siren, the remote transmitters and the associated sensors and accessories, carry a one-year warranty from the date of purchase of the same. This warranty is non-transferable and is automatically void if: the original purchaser has not completed the warranty card and mailed it within ten (10) days of the date of purchase to the address listed on the card; the unit's date code or serial number is defaced, missing or altered; the unit has been modified or used in a manner contrary to its intended purpose; the unit has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defects in materials or construction. The warranty does not cover damage to the unit caused by installation or removal of the unit. Directed Electronics, in its sole discretion, will determine what constitutes excessive damage and may refuse the return of any unit with excessive damage. **TO THE MAXIMUM EXTENT ALLOWED BY LAW, ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, ARE EXPRESSLY EXCLUDED; AND DIRECTED ELECTRONICS NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY DUTY, OBLIGATION OR LIABILITY IN CONNECTION WITH ITS PRODUCTS. DIRECTED ELECTRONICS DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS. DIRECTED ELECTRONICS SECURITY SYSTEMS, INCLUDING THIS UNIT, ARE DETERRENTS AGAINST POSSIBLE THEFT. DIRECTED ELECTRONICS IS NOT OFFERING A GUARANTEE OR INSURANCE AGAINST VANDALISM, DAMAGE OR THEFT OF THE AUTOMOBILE, ITS PARTS OR CONTENTS; AND**

HEREBY EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER, INCLUDING WITHOUT LIMITATION, LIABILITY FOR THEFT, DAMAGE AND/OR VANDALISM. THIS WARRANTY DOES NOT COVER LABOR COSTS FOR MAINTENANCE, REMOVAL OR REIN-STALLATION OF THE UNIT OR ANY CONSEQUENTIAL DAMAGES OF ANY KIND. IN THE EVENT OF A CLAIM OR A DISPUTE INVOLVING DIRECTED ELECTRONICS OR ITS SUB-SIDIARY, THE PROPER VENUE SHALL BE SAN DIEGO COUNTY IN THE STATE OF CALIFORNIA. CALIFORNIA STATE LAWS AND APPLICABLE FEDERAL LAWS SHALL APPLY AND GOVERN THE DISPUTE. THE MAXIMUM RECOVERY UNDER ANY CLAIM AGAINST DIRECTED ELECTRONICS SHALL BE STRICTLY LIMITED TO THE AUTHORIZED DIRECTED ELECTRONICS DEALER'S PURCHASE PRICE OF THE UNIT. DIRECTED ELEC-TRONICS SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGES FOR THE LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, THE MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR THE CONTROL MODULE AS DESCRIBED ABOVE.** Some states do not allow lim-itations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights and you may also have other rights that vary from State to State.

This product may be covered by a Guaranteed Protection Plan ("GPP"). See your authorized Directed Electronics dealer for details of the plan or call Directed Electronics Customer Service at 1-800-876-0800. Directed Electronics security systems, including this unit, are deterrents against possible theft. Directed Electronics is not offering a guarantee or insurance against vandalism, damage or theft of the automo-bile, its parts or contents; and hereby expressly disclaims any liability whatsoever, including without limitation, liability for theft, damage and/or vandalism. Directed Electronics does not and has not authorized any person or entity to create for it any other obligation, promise, duty or obligation in connection with this security system.

Make sure you have all of the following information from your dealer:

A clear copy of the sales receipt, showing the following:

■ Date of purchase
■ Your full name and address
■ Authorized dealer's company name and address
■ Type of alarm installed
■ Year, make, model and color of the automobile
■ Automobile license number
■ Vehicle identification number
■ All security options installed on automobile
■ Installation receipts

Table of Contents

What is Included

- The control module
- SST 2 way receiver/antenna
- One four-button LCD transmitter
- A blue status LED indicator light
- A push-button Valet switch
- Your warranty registration
- A shut-down toggle switch

Important Information

Congratulations on the purchase of your remote start keyless entry system. Due to the complexity of this system, it must be installed by an authorized dealer only. Installation of this product by anyone other than an authorized dealer voids the warranty. All dealers are provided with a preprinted dealer certificate to verify that they are authorized.

By carefully reading this Owner's Guide prior to using your system, you will maximize the use of this system and its features.

You can print additional or replacement copies of this manual by accessing the Directed Electronics internet website at www.directed.com.

Your Warranty

Your warranty registration must be completely filled out and returned within 10 days of purchase. Your product warranty will not be validated if your warranty registration is not returned. Make sure you receive the warranty registration from your dealer. It is also necessary to keep your proof of purchase, which reflects that the product was installed by an authorized dealer.

FCC/ID Notice

This device complies with Part 15 of FCC rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesirable operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

IVU, In vehicle receiver unit

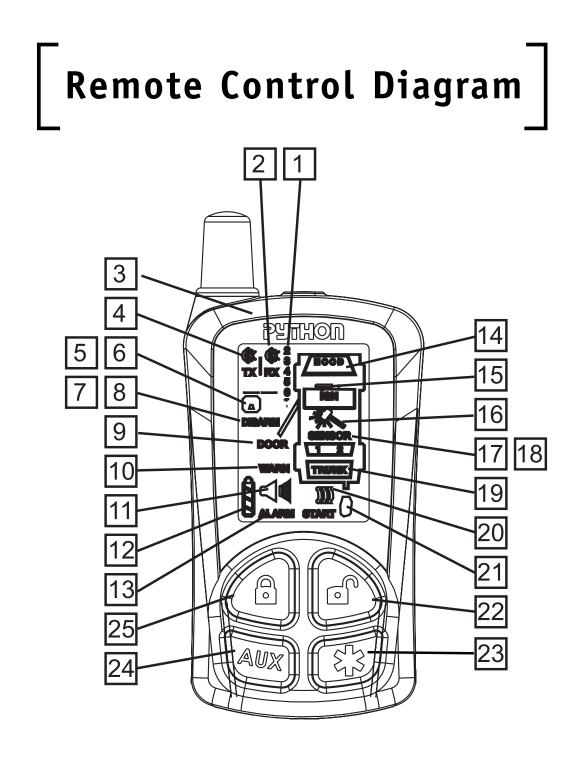To satisfy FCC RF exposure compliance the device and its antenna must maintain a separation distance of 20 cm or more from a person's body, except for the hand and wrists, to satisfy RF exposure compliance.

HHU, hand held unit

To satisfy FCC RF exposure compliance requirements, this device should be used in hand-held, hand operated configurations only. The device and its antenna must maintain a separation

distance of 20 cm or more from the person's body, except for the hand and wrists, to satisfy RF exposure compliance. This device is designed to be used in a person's hands and its operating configurations do not support normal transmissions while it is carried in pockets or holsters next to a persons' body.

Caution

This product is designed for fuel injected, automatic transmission vehicles only. Use of this product in a standard transmission vehicle is dangerous and contrary to the product's intended use.

Remote Control Diagram

2   1

3

4

5   6

7   8

9

10

11

12

13

25

24

14

15

16

17   18

19

20

21

22

23

PYTHON

TX RX

DISARM

DOOR

WARN

ALARM

HOOD

IGN

SENSOR

1   2

TRUNK

START

1. Auxiliary Channel Out

2. Receive Indicator

3. Signal Indicator

4. Transmit Indicator

5. Lock Status Indicator

6. Unlock Status Indicator

7. Not applicable

8. Not applicable

9. Not applicable

10. Not applicable

11. Siren Status Indicator

12. Battery Level Indicator

13. Trigger Response Indicator

14. Not applicable

15. Ignition Switch Input Indicator

16. Not applicable

17. Not applicable

18. Not applicable

19. Not applicable

20. Vibrate Mode Indicator

21. Remote Start Indicator

22. Unlock Button

23. Remote Start Button

24. Auxiliary Button

25. Lock Button

This system needs no specific maintenance beyond remote control battery replacement. The remote is powered by a 1.5V AAA battery.

The Battery Level indicator has four level indicators that serve as a visual indication of battery charge. When the battery reaches a low charge level that requires replacement, the remote control will generate a single notification chirp, and the Battery Level indicator will flash continuously.

FULL   REPLACE   EMPTY

Battery Replacement

Gently pull the end of the battery door away from the top of the remote control then slide the door up to expose the battery and remove the expired battery. Place the new battery into the remote control observing the correct polarity. When power is returned the remote control will light all icons in the LCD and generate all beeper tones once.

Remote Control Functions

The remote control buttons are used to send commands to the system. The descriptions below reflect the standard configuration for this system. The buttons can be custom configured for the user's specific needs by the installer.

🔒 Button

Controls the system **Lock** function by pressing this button for one second.

🔓 Button

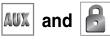Controls the system **Unlock** function by pressing this button for one second.

AUX Button

Controls an optional **Auxiliary** function, such as trunk release by pressing this button for 1.5 seconds.

The auxiliary output controls _____.

✳ Button

Controls Remote Start feature by pressing this button two times.

AUX and 🔒 Buttons

Controls and optional auxiliary channel output for a convenience or expansion feature that has been added to your system. This feature is operated by pressing these buttons simultaneously.

The auxiliary output controls _____.

🔓 and ✳ and AUX Buttons

When simultaneously pressed these buttons control the rear window defogger during remote starting.

TX Icon

The transmit icon will be displayed while the remote control is transmitting a command to the vehicle.

RX Icon

The receive icon will be displayed while the remote control is receiving a page from the vehicle.

Icon

The signal icon will be displayed if a command is transmitted to the vehicle but a command page is not received.

Icon

The locked status icon will be displayed when the system is locked.

Icon

The unlock status icon will be displayed when the system is unlocked.

DISARM Icon

The disarm icon will flash when the system is unlocking the doors.

ARM Icon

The arm icon will flash when the system is locking the doors.

DOOR Icon

Not applicable.

| WARN | **Icon**

Not applicable.

| 🔊 | **Icon**

The siren icon will display when a security feature has been triggered.

| ALARM | **Icon**

The siren icon will display when a security feature has been triggered. This icon will remain displayed until the system's page is cleared.

| ⦀ | **Icon**

The vibrate icon will be displayed when the Vibrate Mode is on.

| 🔋 | **Icon**

The battery level icon is always displayed as an indicator of Battery charge.

| START | **Icon**

The start icon will be displayed while the vehicle is remote started.

> **note:** If Page Mode has been turned off, the start icon will remain when performing key take over until a button on the transmitter has been pressed.

| TRUNK | **Icon**

Not applicable.

| SENSOR 1 | **Icon**

Not applicable.

SENSOR 2 Icon

Not applicable.

⚡ Icon

Not applicable.

> **note:** The icons which are 'not applicable' are only used when incorporated with a ESP2 Directed Security/Remote Start system.

IGN Icon

The ignition icon will display if the ignition is turned on when the system (doors) are locked.

HOOD Icon

Not applicable.

Number Icons

When either of the channel 2 or 4 outputs is activated the appropriate icon will be displayed for five seconds.

Remote Operation and Programming

The remote start system operates at 434 MHz and incorporates Directed's proprietary XHF2 out-board Responder Technology remote control. The high frequency combined with Binary Data communication achieves superior range with two-way communication.

System Signal Paging Features

A page is the signal the 542 control module sends to the remote control as confirmation of receipt of a command.

When the remote control receives a page it will generate a page notification to the user (notifications are audible beeps or remote vibration) and the LCD Icons will display the current system status.

Command Page

When a command (lock/unlock, remote start, or auxiliary channel) from the remote control is sent and received, the system will send a command page back to confirm receipt.

> **note:** When the system is in Valet mode, the remote control will show the lock (5) and unlock (6) icons, but will not generate a command page.

Page Recognition Mode

The remote control will leave a zone icon illuminated when it has received a triggered response and will wait for you to recognize the violation. Press any button on the remote control, the LCD information and Alarm Page alerts will be cleared.

> **note:** The remote control buttons will not send a command to the system until the alarm page is cleared.

Programmable Remote Control Features

To enter programming mode

Press and hold all four remote control buttons simultaneously until one long beep is heard. Programming Mode has now been entered.

Page Notification

The remote control can be programmed to notify the user of a page by audibly beeping or remote vibration.

Beep Mode

Beep Mode includes alarm arm/disarm diagnostic beeps and distinctive two-tone remote start beeps.

Vibrate Mode

Vibrate Mode makes page notification silent but does not include diagnostic information or distinctive remote start notification.

Illumination

Illumination for the LCD display can be programmed on or off. When programmed on the LCD will illuminate every time the remote control receives a page or transmits a command. Programming illumination on will decrease the life expectancy of the battery.

Beep/Vibrate Mode

Within five seconds of entering Programming Mode, press 🔒. The remote control will beep once for on, twice for off. The vibrate icon (13) will also turn on/off with each press.

Illumination On/Off

Within five seconds of entering Programming Mode, press ![unlock icon]. The remote will beep once for on, twice for off and the light will turn on/off with each press.

Page Mode On/Off

After entering Programming Mode, press ![asterisk button] within five seconds to toggle on and off. When the Page Mode is on, the remote control will wake up periodically to check for messages from the security module. It will also wake up when any button is pushed. When Page Mode is off, the remote control "sleeps" until a button is pushed, extending the life of the battery.

To Exit Programming Mode

To exit Programming Mode, take no action for five seconds. The remote control will generate two beeps to indicate programming mode has been exited.

[Using Your System]

Warning! Safety First

The following safety warnings must be observed at all times:

■ Due to the complexity of this system, installation of this product must only be performed by an authorized Directed Electronics dealer.

■ When properly installed, this system can start the vehicle via a command signal from the remote control transmitter. Therefore, never operate the system in an enclosed area or partially enclosed area without ventilation (such as a garage). When parking in an enclosed or partially enclosed area or when having the vehicle serviced, the remote start system must be disabled using the installed toggle switch. It is the user's sole responsibility to properly handle and keep out of reach from children all remote control transmitters to assure that the system does not unintentionally remote start the vehicle. **THE USER MUST INSTALL A CARBON MONOXIDE DETECTOR IN OR ABOUT THE LIVING AREA ADJACENT TO THE VEHICLE. ALL DOORS LEADING FROM ADJACENT LIVING AREAS TO THE ENCLOSED OR PARTIALLY ENCLOSED VEHICLE STORAGE AREA MUST AT ALL TIMES REMAIN CLOSED.** These precautions are the sole responsibility of the user.

■ Use of this product in a manner contrary to its intended mode of operation may result in property damage, personal injury, or death. (1) Never remotely start the vehicle with the vehicle in gear, and (2) Never remotely start the vehicle with the keys in the ignition. The user must also have the neutral safety feature of the vehicle periodically checked, wherein the vehicle must not remotely start while the car is in gear. This testing should be performed by an authorized Directed Electronics dealer in accordance with the Safety Check outlined in the product installation guide. If the vehicle starts in gear, cease remote start operation immediately and consult with the authorized Directed Electronics dealer to fix the problem.

■ After the remote start module has been installed, contact your authorized dealer to have him or her test the remote start module by performing the Safety Check outlined in the product installation guide. If the vehicle starts when performing the Neutral Safety Shutdown Circuit test, the remote start unit has not been properly installed. The remote start module must be removed or the installer must properly reinstall the remote start system so that the vehicle does not start in gear. All installations must be performed by an authorized Directed Electronics dealer. **OPERATION OF THE REMOTE START MODULE IF THE VEHICLE STARTS IN GEAR IS CONTRARY TO ITS INTENDED MODE OF OPERATION. OPERATING THE REMOTE START SYSTEM UNDER THESE CONDITIONS MAY RESULT IN PROPERTY DAMAGE OR PERSONAL**

INJURY. YOU MUST IMMEDIATELY CEASE THE USE OF THE UNIT AND SEEK THE ASSISTANCE OF AN AUTHORIZED DIRECTED ELECTRONICS DEALER TO REPAIR OR DISCONNECT THE INSTALLED REMOTE START MODULE. DIRECTED ELECTRONICS WILL NOT BE HELD RESPONSIBLE OR PAY FOR INSTALLATION OR REINSTALLATION COSTS.

Locking

Pressing 🔒 for one second arms the system by activating the starter kill and locking the doors (if the door locks are connected). The horn will honk (if connected) and the parking lights will flash once to confirm arming of the system. While the system is armed, the status LED will flash once per second. The Failsafe® Starter Kill will also prevent the vehicle's starter from cranking.

The system can also be programmed to arm the optional Failsafe® Starter Kill automatically (called Passive Mode). If the system has been programmed for Passive Mode, the Failsafe® Starter Kill will automatically activate 30 seconds after the ignition has been turned off. After the ignition has been turned off, the status LED will flash rapidly to indicate that the system is in Passive Mode.

If Passive Mode has been programmed on, then it is also possible to program the system for Passive Locking. With Passive Locking, the vehicle doors lock automatically at the same time that the Failsafe® Starter Kill is activated. If Passive Locking is programmed on, care must be taken to prevent the keys from being locked in the vehicle.

> **NOTE:** For Passive Mode to be effective, the Failsafe® Starter Kill relay must be installed.
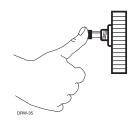
Unlocking

Pressing 🔓 for one second disarms the system and unlocks the doors (if connected). The horn will honk twice (if connected) and the parking lights will flash twice to confirm disarming of the system. The optional Failsafe® Starter Kill will be deactivated. The status LED will turn off, unless the system is programmed for Passive Mode. In Passive Mode, the status LED will flash rapidly when the system is disarmed. This indicates that the system will re-engage the starter kill and re-lock the doors (if Passive Locking has been programmed) in 30 seconds unless the ignition is turned on.

Disabling the Starter Kill Without a Transmitter

If your remote transmitter is lost or damaged, you can manually override the starter kill. To do this, you must have the vehicle's ignition key and know where the Valet switch is located. Be sure to check with the installer for the location of the Valet switch.

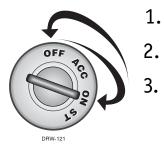To override the starter kill, turn the ignition on and press the Valet switch within 10 seconds. The status LED will stop flashing and the vehicle should start. If it does not start, you may have waited too long; turn the ignition off and repeat the process.
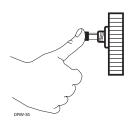
LOCATION OF VALET SWITCH_____

Valet Mode

You can prevent your system from automatically activating the Failsafe® Starter Kill and locking the doors by using Valet Mode. This is very useful when washing the vehicle or having it serviced. In Valet Mode, the starter kill cannot be activated, even with the transmitter, but all convenience functions (door locks, remote start, etc.) will continue to work normally.

To enter or exit Valet Mode:

1. Turn the ignition on.
2. Turn the ignition off.
3. Press and release the Valet switch within 10 seconds.

DRW-121

DRW-35

The status LED will light steadily if you are entering Valet Mode and will turn off if you are exiting Valet Mode.

Panic Mode

If you are threatened in or near your vehicle, you can attract attention by triggering the system with your transmitter. Just press 🔒 for 1.5 seconds to enter Panic Mode. In Panic Mode, the horn will honk and the parking lights will flash for 30 seconds. To stop Panic Mode at any time, press 🔓, or 🔒 on the transmitter.

> **NOTE:** In order for Panic Mode to be effective, the vehicle's horn (or optional siren) as well as the vehicle's parking lights must be connected.

This feature allows you to remotely start and run your vehicle for a programmable period of time. This makes it possible to warm up the engine, as well as adjust the interior temperature of the vehicle with the climate control system. If interior heating or cooling is desired, the climate controls must be preset, and the fan blower must be set to the desired level prior to remote starting the vehicle.

> **IMPORTANT!** (1) Never remotely start the vehicle with the vehicle in gear, and (2) Never remotely start the vehicle with the key in the ignition.

To remote start the vehicle:

1. Press ✳ on the transmitter 2 times.

2. The parking lights will flash to confirm that the vehicle will attempt to start.

3. Release the ✳ buttons as soon as the parking lights flash. (In gasoline vehicles, the engine will start 4 seconds after the parking lights flash. In diesel vehicles, the engine will start when the WAIT-TO-START indicator on the vehicle's dash goes out or the timer has expired.)

4. Once the vehicle has started, it will run for the pre-programmed period of time (12, 24, or 60 minutes) or until a shutdown input is triggered.

When you are ready to drive the vehicle:

1. Insert the ignition key and turn it to the ON (not the START) position.
2. Press the brake pedal.

NOTE: If the brake pedal is pressed before the key is in the ON position, the engine will shut down.

While the vehicle is running during remote start operation, the system will monitor the vehicle and will automatically shut down the engine if the system receives any of the following shut-down inputs:

- The brake pedal is pressed.
- The hood is opened.
- The shutdown toggle switch is put into the OFF position.
- The pre-programmed run time (12, 24, or 60 minutes) has elapsed.
- Transmitter button ✳ is pressed again twice to start the vehicle.

Rear Defogger

To turn the rear defogger output OFF:

1. Simultaneously press & release the 🔒 + ✳ + AUX buttons on the remote control.
2. The lights will flash 2 times.
3. The rear defogger output will no longer activate when the vehicle is remote started.

NOTE: If the remote start is on the parking lights will turn off then flash 2-times before returning to their normal output and the defogger output, if active, will cease.

To turn the rear defogger output ON:

1. Simultaneously press & release the 🔒 + ✳ + AUX buttons on the remote control.

2. The lights will flash 3 times.

3. The rear defogger output will once again activate when the vehicle is remote started.

NOTE: If the remote start is on the lights will turn off then flash 3-times before returning to their normal output and the defogger output will activate as programmed.

Valet Take-Over

The Valet Take-Over feature allows the vehicle to remain running after the key has been removed from the ignition. This feature is useful for occasions when you wish to exit and lock the vehicle for short periods of time, but would like to leave the motor running and the climate controls on.

To perform Valet Take-Over:

1. Before turning off the engine, press and release ✳ on the transmitter twice (or press and release the optional momentary switch twice).

2. Turn the ignition key to the OFF position. (The engine will stay running.)

3. Once the vehicle has started, it will run for the pre-program-

med period of time (12, 24, or 60 minutes) or until a shut-down input is triggered.

NOTE: This feature will not work if the brake pedal is being pressed.

Short-Run/Turbo

Short run turbo mode keeps the engine running after arriving at you destination for a programmable period of 1, 3, 5 or 10 minutes. This allows the system's timer to conveniently cool down the turbo after you have left the vehicle.

To activate:

1. Park the vehicle and set parking brake.
2. Remove your foot from the brake pedal and leave the engine running.
3. Press and release the ✳ and ᴀᴜх buttons at the same time.
4. The lights will flash to indicate the remote start has entered short run turbo mode.
5. Turn off the key, the engine will keep running.
6. Exit and secure the vehicle.
7. The engine will turn off after the programmed run time.

Timer Mode

By pressing the remote 🔒 and 🔓 buttons the parking lights will flash 4 times and then start the vehicle and run for the set duration. The remote start can be shut off by the transmitter by pressing the remote start button ✳ and remain in timer mode, but if any other shut down zones or the ignition becomes active

the timer mode will cancel.

1. Press Timer mode buttons.

2. The vehicle will confirm with 4 parking light flashes.

3. A 1-second delay will start.

4. The system will start the car and will run for the specified duration, unless shut down by the remote start button ✳ . If shut down with the remote start button ✳ the system will remain in timer mode.

5. The system will start every 3 hours until canceled by the brake, hood, or neutral safety shut-down wires.
    IMPORTANT! Timer Mode should be used only in open areas. Never start and run the vehicle in an enclosed space such as a garage or carport.

To exit timer mode, turn the ignition switch on any time the engine is running. The parking lights will flash 4 times, indicating timer mode has been exited.

Starter Anti-Grind Circuitry

Whenever the vehicle is remote started, advanced anti-grind circuitry prevents the starter from engaging, even if the key is turned to the start position. This prevents damage to the starter motor if the key is turned to the start position during remote start operation.

> **NOTE:** Anti-grind circuitry only works when the remote start system is operating the motor and the Failsafe® Starter Kill relay is installed.

This feature allows your system's remote start unit to be temporarily disabled to prevent the vehicle from being remote started accidentally. This feature is useful if the vehicle is being serviced or stored in an enclosed area. To disable the remote start, move the shutdown toggle switch to the OFF position. The switch can be installed in a location of your choice. Check with your installer for recommended locations.

LOCATION OF SHUTDOWN SWITCH_____

Rapid Resume Logic

This Directed Electronics system will store its current state to non-volatile memory. If power is lost and then reconnected the system will recall the stored state from memory. This means if the unit is in Valet Mode and the battery is disconnected for any reason, such as servicing the car, when the battery is reconnected the unit will still be in Valet Mode. This applies to all states of the system including arm, disarm, VRS®, and Valet Mode.

Programming Options

Programming options control your system's normal, operational set-up. Most options do not require additional parts, but some may require additional installation labor. This system's programming options are listed below, with the factory default settings in bold:

- **12,** 24, or 60 minute run time. your system can be programmed to allow the vehicle to run for 12, 24, or 60 minutes when remote started.

- 3, 6, 9, or **12** minute timer mode run time. Your system can be programmed to allow the vehicle to run for 3, 6, 9, or 12 minutes when remote started in timer mode. Can be set up to 16 minutes by your installer.

- Comfort closure is a programming option which closes the vehicle's windows after remote locking.

- Parking lights **flashing** or constant. Your system can be programmed to either flash or to turn on the parking lights constantly during the entire remote start operation.

- Passive Mode or **Active Mode**. In Passive Mode the Failsafe® Starter Kill will automatically activate 30 seconds after the ignition has been turned off.

- Ignition switch-controlled door-locking **on** or off. With this feature on, the doors will lock 3 seconds after the ignition key is turned on, and unlock when the ignition key is turned off.

- Passive Locking or **Active Locking** (doors lock only with the transmitter). With Passive Locking, the vehicle doors lock automatically 30 seconds after the ignition has been turned off. Passive Locking can only be selected when the system has been programmed for Passive Mode.

- The horn honk confirmations for locking and unlocking can be programmed **on** or off. In order for this feature to be programmed on, the horn must be connected to the system.

[Glossary of Terms]

Control Unit: The "brain" of your system. Usually hidden underneath the dash area of the vehicle. It houses the microprocessor which monitors your vehicle and controls all system functions.

Failsafe® Starter Kill: An automatic switch controlled by your system which prevents the vehicle's starter from cranking whenever the system is armed. The vehicle is never prevented from cranking when the system is disarmed, in Valet Mode, or if the starter kill switch itself fails. Your system has feature-ready circuitry for the starter kill, however installation may require additional labor.

LED: A red light mounted at a discretionary location inside the vehicle. It is used to indicate the status of your system.

Transmitter: A hand-held, remote control which operates the various functions of your system.

Valet Switch: A small push button mounted at a discretionary location inside the vehicle. It is used to override the Failsafe® Starter Kill when a transmitter is lost or damaged, or to enter or exit Valet Mode.

Convenience Expansions

Listed below are some of the many expansion options available for use with your system. Some options may require additional parts and/or labor. Please consult with your dealer for a complete list of options available for use with this system.

Domelight Supervision: The domelight will illuminate for 30 seconds each time the system is disarmed using the transmitter. This is useful for seeing inside the vehicle at night prior to entering it.
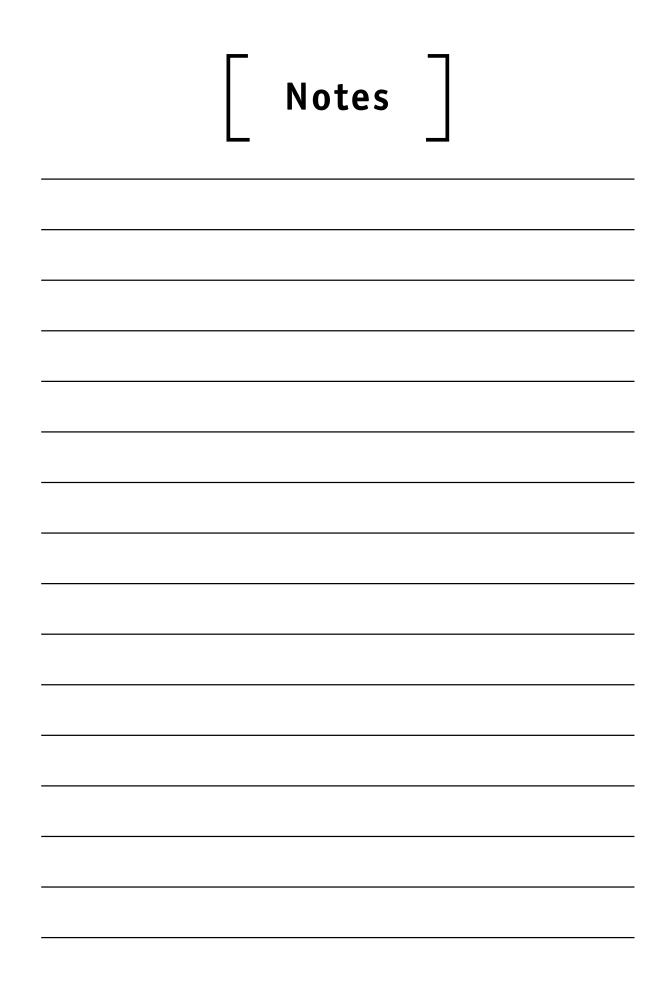
Power Door Lock Control: Your system is capable of controlling many types of power door lock systems; however, some door lock systems may require extra parts. Consult with your dealer to determine which type of locks your vehicle uses. If power locks are connected, the system can be programmed to lock the doors automatically 30 seconds after the ignition has been turned off. The system can also be programmed to lock the doors when the ignition is turned on and to unlock them when the ignition is turned off.

Power Trunk Release: The system's auxiliary output can be pro-

grammed to operate a factory power release for the vehicle's trunk or hatch. If the factory release is not power-activated, Directed Electronics 522T trunk-release solenoid can often be added.

Power Window Control: Power window control is provided with Directed Electronics 529T or 530T systems. The 529T system will roll up two windows automatically when the system is armed, or roll two windows down by using the transmitter. The 530T will roll two windows both up and down. The 530T also provides one touch switch operation.

Progressive Door Unlocking: For added security, your system can be configured to unlock the driver's door only, leaving the passenger doors locked. Pressing the unlock button an additional time will unlock the passenger doors. This option requires additional parts and labor.

[Notes]

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Quick Reference Guide

To arm using your remote
■ To arm the system press 🔒 for one second. The doors will lock (if connected). The LED will begin to flash. The vehicle's horn (if connected) will honk and the parking lights will flash once to confirm arming.

To disarm using your remote
■ To disarm the system press 🔓 for one second. The doors will unlock (if connected). The vehicle's horn (if connected) will honk twice and the parking lights will flash twice.

Disabling the Failsafe® Starter Kill without a transmitter
■ Turn on the ignition. Press and release the Valet button within 10 seconds. The LED will stop flashing and the vehicle should start.

To remote start the vehicle
■ Press ✳ twice within 3 seconds. The parking lights will turn on (if connected) and the vehicle will start and run for the programmed duration.

To enter or exit Valet Mode
■ Turn the ignition to the "ON" position. Turn the ignition back off. Press and release the Valet button within 10 seconds. The status LED will light steadily if you have entered Valet Mode. To exit Valet Mode, repeat the steps above. The LED will turn off when exiting Valet Mode.

To activate Panic Mode
■ Press and hold 🔒 for 1.5 seconds.

To activate Timer Mode
■ Press 🔒 and 🔓 to start the vehicle, and run it for the set duration.

To activate Turbo Mode
■ Park the vehicle and set parking brake. Remove your foot from the brake pedal and leave the engine running. Press and release the ✳ and AUX buttons.

To disable the remote start system
■ To disable the remote start, move the shutdown toggle switch to the OFF position.

Location of Shutdown Switch_____

Valet Takeover

- Press and release ✳ on the transmitter twice in 3 seconds. Turn the ignition key to the OFF position. Once the vehicle has started, it will run for the pre-programmed period of time (12, 24, or 60 minutes).

Rear Window Defogger

- Press the 🔒 , ✳ and AUX buttons simultaneously to turn the defogger on or off when remote starting. When a remote start is initiated, the parking lights will flash 2-times if the defogger is set to off, and will flash 3-times if the defogger is set to on.

The company behind this system is Directed Electronics

Since its inception, Directed Electronics has had one purpose, to provide consumers with the finest vehicle security and car stereo products and accessories available. The recipient of nearly 100 patents and Innovations Awards in the field of advanced electronic technology, Directed Electronics is ISO 9001 registered.

Quality Directed Electronics products are sold and serviced throughout North America and around the world.

Call **(800) 274-0200** for more information about our products and services.

Directed Electronics is an ISO 9001 registered company.

Directed Electronics is committed to delivering world class quality products and services that excite and delight our customers.

Directed Electronics
Vista, CA 92081
www.directed.com
G4301P 05-06