

## Limited Lifetime Warranty

This PEI Vehicle Security system is warranted to the original consumer purchaser, to be free from defects in material and workmanship. The manufacturer will repair or replace, at its option, and free of charge during the first 12 months of the warranty period, any part which prove defective in material or workmanship under normal installation, use and service, provided the product is returned to our factory, transportation charges prepaid. Products returned to our factory must be accompanied by copy of purchase receipt. Warranty is limited to defective parts and/or replacement parts only and excludes any incidental and consequential damages connected therewith. The manufacturer, of this theft deterrent system makes no warranty against the theft of vehicle or its content. This warranty is not to be construed as an insurance policy against loss. After the first 12 months of the warranty period there will be a charge of \$25.00 maximum per calendar year (if required) for repairing and/or replacing any defective parts.

**WARRANTY ON INSTALLATION LABOR, REINSTALLATION AND REMOVAL CHARGES ARE NOT THE RESPONSIBILITY OF THE MANUFACTURER.**

## OPTIONAL ACCESSORIES

- Remote Car Starter
- Glass Break Sensor
- Interior Radar Sensor
- Rechargeable Back-Up Battery
- Rechargeable Back-Up Siren
- Trunk Release Solenoid
- Window Roll-Up Module

*Thank You For Choosing*

**PRECISION ENGINEERING INDUSTRIES, INC.**

Technical Support (818) 767-8593

web site: <http://www.caralarm.com>

# PRECISION

# VEHICLE SECURITY

## PGT-300

## 3 CHANNEL ALARM SYSTEM *Plug-In Design*



MADE IN U.S.A.

## System Contents

Each System contains the following components:

- 1- Alarm Module
- 1- Pager Transmitter
- 1- Six Tone Siren
- 1- Dual Stage Shock Sensor
- 1- Relay & Relay Socket
- 1- 10 pin wiring harness
- 1- 3 pin wiring harness
- 1- 3 pin door lock harness
- 1- Red Status L.E.D.
- 1- Push Button Valet Switch
- 1- Window Sticker

**Note:** Read this instruction manual thoroughly.

**Important:** This unit is designed for a professional installation only.

Any installation performed by an unqualified installer, will void the warranty.

### WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment

## Features

- One 3 Channel FM Pager Transmitter
- Code Learning
- 2nd Channel Output for Trunk release
- 3rd Channel Output
- Door Entry Protection
- Personal/Panic Feature
- Shock Sensor / Dual Zone Dual adjust (Plug-In)
- Shock Sensor Warm Away Feature
- Remote Trigger Disable
- Dome Light Supervision
- Remote Shock Sensor Disable
- Five Function LED (Plug-In)
- Intrusion Event Memory
- 120dB Soft Chirp 6 Tone Siren
- Last Door Automatic Arming
- Flashing Parking Lights
- Starter Disable
- R.F. Lock-Out Safety Feature
- Valet Override Switch (Plug-In)
- Faulty Zone By-Pass
- Audible/Visual Intrusion Alert
- Door Locking & Unlocking with Ignition Key
- Remote Door Lock/Unlock (Plug-In)

### Dip Switch Settings:

- 1- ON 1 Second Door Lock Pulse      OFF 3.5 seconds Pulse
- 2- ON Door Lock w/Ignition ON/OFF      OFF Disabled
- 3- ON Door Lock in Passive Mode      OFF Disabled
- 4- ON Automatic Arming (Passive)      OFF Disabled

## Special Features

### 1-CODE TEACHING

Turn the ignition key 3 times on/off, on/off, on, the siren will chirp. Leave the ignition key in ON position, press the valet switch for 5 seconds until the siren chirps 3 times. Then press button # 1 on the remote transmitter. The siren will chirp once, if you want to teach another transmitter with different code press # 1 on the second transmitter the siren will chirp once. You can teach up to 3 different codes. After 10 seconds the LED starts flashing, now the alarm has learned the code of the transmitters.

### 2- WARN-AWAY

When using the dual zone shock sensor, the valet wire provides a Warn-Away Input. When the alarm is armed, the first zone will chirp the siren 5 times and "Pager Beeps 5 Times" flashes the parking lights once, and the second zone will trigger the alarm.

### 3- VALET MODE:

To get into Valet mode, Disarm the alarm, turn the Ignition ON, hold the push button switch for 5 seconds until the LED comes ON solid. The system will be in VALET. Only the door lock/unlock system will work on Valet (Keyless Entry). To get out of Valet mode, turn the ignition ON and hold the switch down for 5 seconds, the alarm will chirp and the LED goes out. In an Emergency, When the alarm system has been triggered and the transmitters do not respond to turn the alarm OFF. Get into the car turn the Ignition ON, hold the switch button down for 5 seconds, the alarm will shut off and the LED will be ON solid, this will override the system and it will be in Valet Mode.

### 4- SHOCK SENSOR DISABLE FEATURE:

To disable the SHOCK SENSOR after arming the system. Press the 1st button once, immediately after within 3 seconds press the 2nd button and the alarm will chirp one more time, that will eliminate all trigger wires.

5- When the alarm has been disarmed with the transmitter by mistake. It will automatically rearm itself within 30 seconds, unless you open one of the doors. This feature will be always active no matter if the alarm is in active or passive mode.

THIS FEATURE IS DISABLED FROM THE FACTORY YOU MAY PROGRAM IT BY TURNING THE IGNITION KEY "ON" AND PRESSING THE 1st BUTTON ON THE REMOTE FOR 3 SECONDS. THE SYSTEM WILL CHIRP ONCE ENABLING THIS AUTOMATIC ARMING. TO DISABLE THIS FEATURE FOLLOW THE SAME PROCEDURE THE SIREN WILL CHIRP 2 TIMES AND DISABLES THE AUTOMATIC REARMING.

### 6-SILENT ARMING OR DISARMING:

Turn the ignition ON, within 10 seconds, press #2 for 3 seconds until you hear the siren respond with 1 double chirp. Now the alarm will always arm and disarm without any chirps. To re-activate the chirps, turn the ignition ON, hold button #2 until 2 double chirps.

### 7-DRIVER CALLING:

Ignition ON or OFF press Push Button switch momentarily the Pager will Beep 4 times to indicate a calling function from the Vehicle.

## Starter Disable Relay Wiring Diagram

### Starter disable wiring instruction

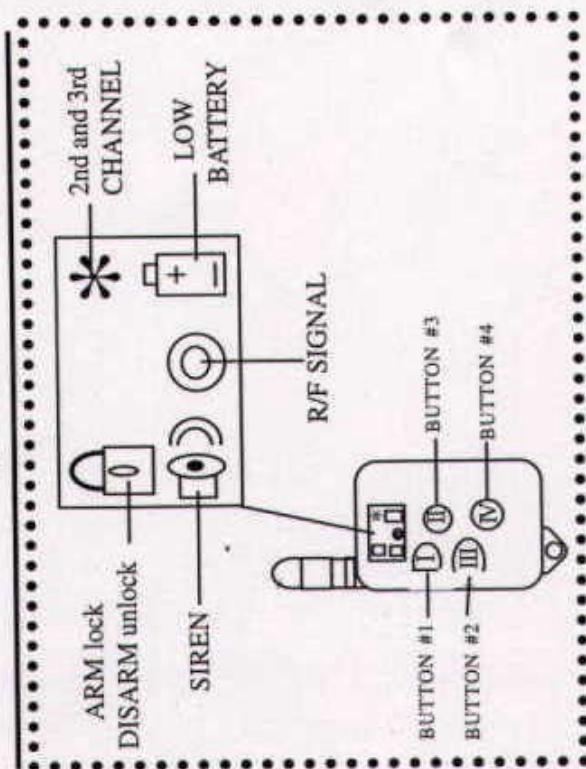
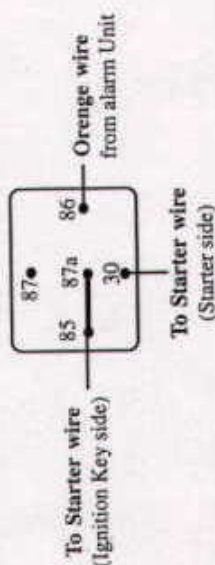
Using a probe find the wire which has 12V(+) when the key is turned to the Start position. This is the wire which goes directly to the starter solenoid. When found CUT this wire.

Connect pin 87a of the relay to the key side of the starter solenoid wire.

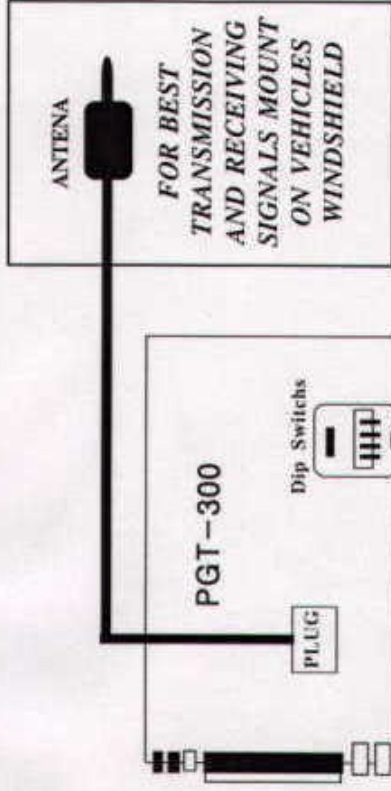
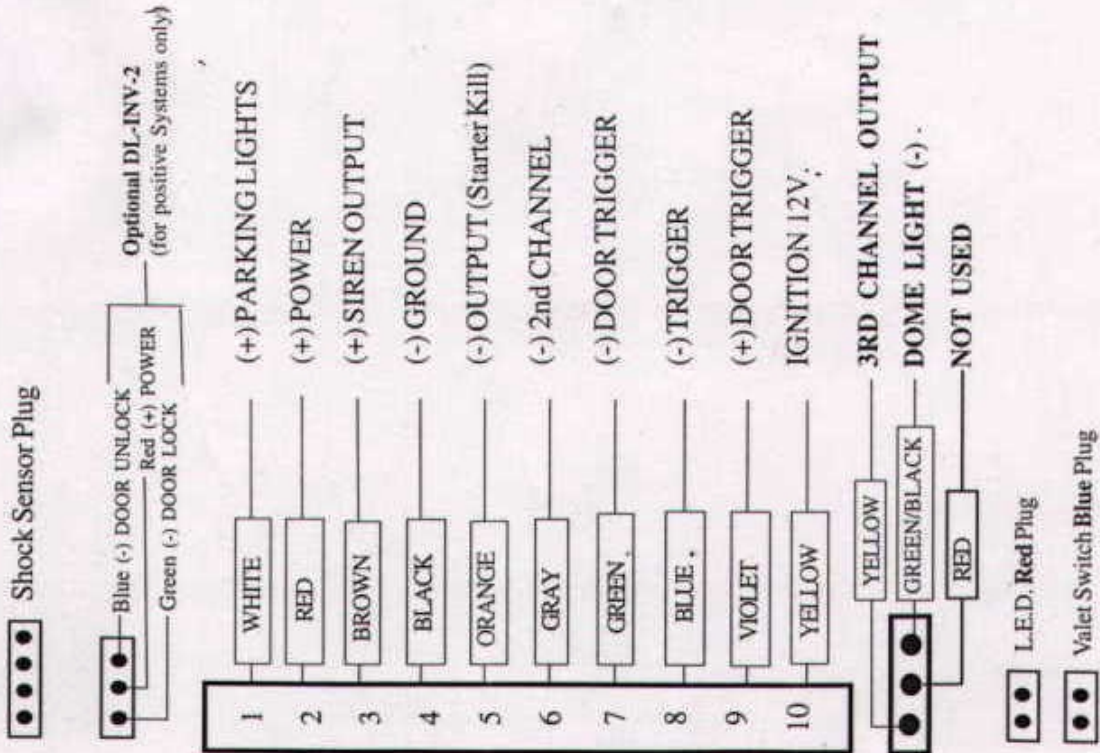
Connect 30 of the relay to the starter side of the starter wire.

Connect pin 85 of the relay to the ignition key which has 12V. when the ignition is "ON" and when the car is running.

Connect pin 86 of the relay to the alarm (-) output when armed wire.



# Alarm Wiring Diagram



## "NEW" REMOTE PAGER

| Button | Function                                  | Confirmation      |
|--------|-------------------------------------------|-------------------|
| I      | Arm & Lock Doors<br>Disarm & Unlock Doors | 1 Beep<br>2 Beeps |
| II     | Channel 2 Activation (press 3 sec.)       | 2 Beeps           |
| III    | Channel 3 Activation                      | 3 Beeps           |
| IV     | Pager Reset When Alarm Triggered.         |                   |

## Operating Instructions

### TRANSMITTER BUTTON OPERATION:

**IMPORTANT:** The microprocessor alarm system has been designed so that upon arming, a 10 second arming delay will be effected. This is to give the electronics in the vehicle, a chance to stabilize. ( window roll-up, shock sensor)

### ACTIVE ARMING MODE:

Arm the alarm system by pressing the transmitter button # 1, once momentarily this will be confirmed by center red LED on the transmitter flashing once and one beep sound. The alarm will arm and will confirm with 1 siren arming chirp. LED will be solid and start to flash slow after 10 seconds

### PASSIVE ARMING MODE:

In passive arming mode, upon closing the last door there will be a 30 second arming delay. The LED will be flashing rapidly indicating that the system is in passive arming phase. After 30 seconds, the alarm will arm by itself. (programmable)

### ARMING WITH DEFECTIVE ZONE ALERT

If after arming the alarm, a defective zone has been detected. The alarm will confirm the detection of the defective zone by chirping the siren and flashing the lights and pager will "beep" 4 times, (40 seconds after the arming confirmation).

### DISARMING THE SYSTEM:

Disarm the alarm system by pressing transmitter button #1, once again momentarily this will be confirmed by center red LED on the transmitter flashing once and 2 beeps sound, and siren with 2 disarming chirps - Lights will flash twice - LED will turn off. Starter disable feature will be de-activated, Door locks will unlock automatically - Donelight will be illuminated for 30 seconds or until ignition key is turned to accessory "ON" position.

### PANIC MODE:

For emergency situations, press and hold button #1, of the transmitter for 3 seconds. This will activate the panic mode. The alarm siren will sound and the parking lights will flash for 45 seconds (or until the transmitter button #1 is pressed again for 1 second).

### ALARM TRIGGERED:

If a violation of the vehicle is taking place, the siren will sound and the parking lights will flash for 45 seconds. After this 45 seconds duration, the alarm will automatically reset and resume protecting the vehicle.

**IN ORDER TO TURN TRIGGER MODE OFF WITH TRANSMITTER YOU MUST PRESS BUTTON # 4 FOR 1 SEC. ( RESET ) BEFORE YOU PRESS BUTTON # 1 TO DISARM THE SYSTEM.**

### INTRUSION ALERT:

If a sensor input (shock sensor) has been violated while the system was armed, the Pager will "beep" long beep and ( 2 short beeps ) if door was violated will "beep long beeps ( plus 3 short beeps ). LED will be flashing rapidly and upon disarming the alarm system, the siren will confirm with 3 disarming siren chirps and 3 light flashes. Check the vehicle and its contents to verify if any violation has taken place.

## Operating Instructions Con't.

### FAULTY ZONE ALERT:

If upon arming (active or passive), the alarm system arms with 4 siren chirps and 4 light flashes. This indicates that a faulty zone has been detected and has been automatically bypassed.

### AUTOMATIC FAULTY ZONE ELIMINATION:

While Alarm system armed, if faulty zone is detected and the alarm triggered, the siren will sound and the lights will flash for 4 cycles of 45 seconds duration each. Total 3 minutes. After these 4 cycles, the alarm will automatically reset and bypass the defective zone. Upon disarming the alarm system, 3 chirps will be audible and 3 light flashes will be visible. Plus 3 beeps on the pager. This indicates that the alarm has been triggered. Upon rearming, the system will arm with 1 chirp and then follow up with 4 additional siren chirps and 4 light flashes. This indicates that a faulty zone has been detected, and has been automatically bypassed.

### VALET MODE: 2-step procedure

This feature is designed to temporarily disable the alarm for valet parking. While the alarm is in the disarmed state, insert the ignition key and turn to the ignition "ON" accessory position. Press & hold the valet switch for 5 seconds, and the LED will be ON solid, remove the key from the ignition. The alarm will now be in the valet mode.

**NOTE:** You cannot arm or disarm the alarm while the system is in valet mode. However, you can still use the transmitter to lock and unlock the doors, while the alarm is in valet mode.

### EMERGENCY OVERRIDE SWITCH:

In the event that you lose your transmitter and can not disarm the alarm: Open the door, the alarm will sound. Insert the ignition key and turn to the ignition "ON" accessory position. Press & Hold the valet switch for 5 seconds. The alarm will chirp & disarm, the LED will be solid, the starter disable feature will be deactivated and you will now be able to start your car.

### LOW BATTERY INDICATOR:

The Pager will indicate when it is time to replace the battery by lighting the BATTERY symbol, this indication is not for the pager but rather the remote transmitter. Audible paging "beeps" will become none audible before battery replacement is necessary for the remote transmitter.

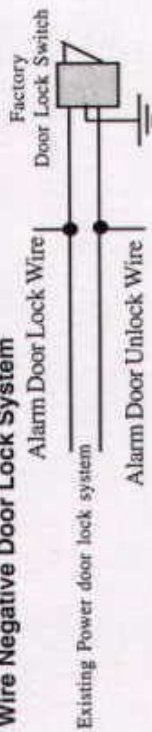
### REPLACING THE BATTERY:

Remove battery cover, and Remove old battery. Replace with 1.5V AAA Battery.

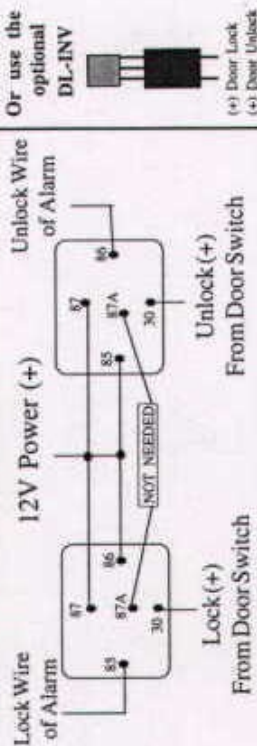


|                                               |                                        |
|-----------------------------------------------|----------------------------------------|
| <b>Arming the system</b>                      | 1 Beep                                 |
| <b>Disarming the system</b>                   | 2 Beeps                                |
| <b>2 nd Button</b><br>2 nd Channel Activation | 2 Beeps                                |
| <b>3 rd Button</b><br>3 rd Channel Activation | 3 Beeps                                |
| <b>Intursion Alert</b><br>(When Disarming)    | 3 Beeps                                |
| <b>Faulty Zone By Pass</b>                    | 3 Beeps                                |
| <b>Driver Calling</b>                         | 4 Beeps                                |
| <b>Warn Away</b>                              | 5 Beeps                                |
| <b>Sensor Activated</b><br>System Trigger     | Repeating long Beeps and 2 short Beeps |
| <b>Door Activated</b><br>System Trigger       | Repeating long Beeps and 3 short Beeps |

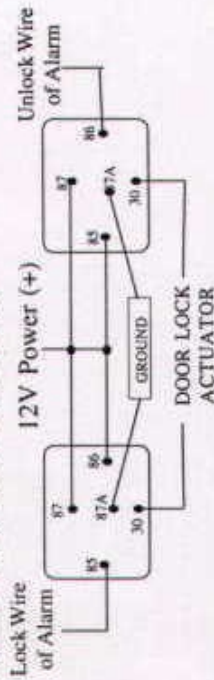
## 3 Wire Negative Door Lock System



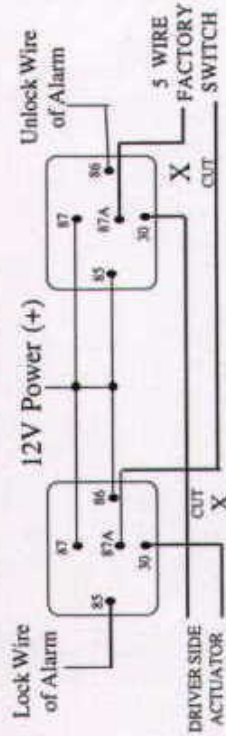
## 3 Wire Positive Door Lock System



## Aftermarket Power door lock Actuator



## 5 Wire "Ground at rest" Door Lock System



Cut the 2 wires going from the switch to the factory actuator  
Connect the Switch Side to 87A & Connect the Actuator Side to 30