#### • • • • • • Table of Contents

Syctom Wiring

**Limeted Life time Warranty** 

#### **About Your System**

The Omnitronic Page Guard PG-8500 is a combination vehicle security and remote starting system with true color LCD display remote control. With proper installation this system will provide superior protection and performance for many years to come.

The Page Guard PG-8500 is built-in remote start feature is designed to offer maximum convenience by remote starting your vehicles's engine, turning on the heater/air conditioner, and then running for a pre-determined time to provide a comfortable environment once you enter your vehicle. To ensure the safety and security of the system while it is remote started, the Page Guard PG-8500 employ several safeguards. In the event the alarm is triggered while the engine is remotely running, the remote start will immediately shutdown to prevent unauthorized users from attempting to drive the vehicle.

The system is equipped with a hood pin input to prevent access to the engine compartment while the vehicle is remotely running. The Valet Mode prevents the remote start feature from operating in the event the vehicle is to be serviced.

Finally, the brake pedal also acts as a safety by shutting down the remote start when pressed.

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# page guard PG-8500s

# **System Contents**

Remote Control













O Camera Base Antenna
Dual Stage Shock Sensor



#### Warranty

This vehicle security system is warranted to the original purchaser, to be free from defects in material and workmanship. The manufacturer will repair or replace at its option, and free of charge for the first twelve (12) months, any part that proves defective in material or workmanship under normal installation, use, and service, provided the product is returned to the manufacturer freight prepaid. After the first 12 month warranty period there will be a maximum service charge of \$25.00 per calendar year (if required) for repair and/or replacement of any defective parts. A copy of the original purchase receipt must accompany any products returned for warranty service. 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 the vehicle of its contents. This warranty is not to be construed as an insurance policy against loss.

WARRANTY OF INSTALLATION LABOR. REMOVAL AND RE-INSTALLATION CHARGES ARE NOT THE RESPONSIBILITY OF THE MANUFACTURER.

# page guard PG-8500s

#### • • • • Remote Transmitters

#### True Color 2-way LCD Remote Transmitter Description



Button 1: Arms and Disarms the system, Button 1 also locks/unlocks the doors when the system is in Valet Mode.

Button 2: Activates the Remote Engine Start feature.

Button 3: Activates the Auxiliary 1 output normally used for trunk release.

Button 4: button 4 is Confirmation and Programming button. Quickly pressing button 4 will show last display on LCD. Pressing button 4 for 2 seconds activates the system's confirmation feature which will then display the current status of the system (armed, disarmed, engine running, etc.,)

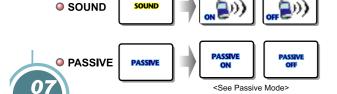
> button 4 also activates silent arm/disarm, sound delete on Remote. Enable/Disable passive arm, delete shock sensor, MP3 enable/disable, Remote valet features.

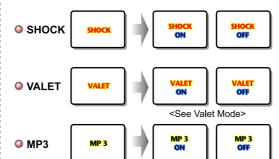
### Illustration of LCD Monitor











\* You Can Enable or Disable CHIRP, SOUND, PASSIVE, SHOCK, VALET, MP3 Features With Your Remote Control.

#### Adding / Replacing Transmitter

The system is designed to learn up to 2 remote transmitters. To replace lost or to add additional transmitters into the system, have all desired transmitters ready and follow the steps below.

- 1. Turn on the ignition key On, Off, On, Off, and back On (key On 3 times)
  - \* The siren will chirp once.
- 2. Press and hold the Override switch for 2 seconds.
  - \* The siren will chirp 3 times.
- 3. Press Button 1 on the first remote.
- \* The siren will chirp once.
- 4. Press Button 10 on the second remote. (If you have two remote)
  - \* The siren will chirp twice.
- 5. Turn off the ignition key.
- 6. Wait for 5 seconds.
  - \* The siren will chirp twice.
  - \* Done.



# Dage guard Pg-8500s

#### **Battery Replacement**

Your Remote Transmitter uses one AAA 1.5v battery, which will require replacement in time. Depending on the amount of use, the battery may last up to one month or more before they need replacement.

In order to change the battery, first remove the battery cover from the back of the remote transmitter and replace the battery, while replacing the battery make sure that the positive and negative terminals are positioned correctly, then carefully reassemble the battery cover.

**PNOTE** ► When you see this display you must change the battery.



#### **Optional one-way transmitters**



### • • • • • • • System Operation

• • • • • Remote Transmitters

#### Remote Arming

The system monitors 6 independent areas (zones) while armed: doors, hood, trunk, shock sensor, and two extra optional sensor inputs.

#### **To Arm the System**

• Turn off the ignition and close all doors.









• The LED will turn on red. to indicate the starter defeat is activate.









- •10 seconds after Arming
  - \* The LED will start blinking to indicate that the doors hood, trunk and sensor inputs are being monitored.

**NOTE** ▶ During Arming, if the system detects a bad sensor or an open zone, the system will chirp (door 3chirp, shock 3chirp, trunk 4chirp, hood 5chirp) additional times and ignore that input, but keep all other areas protected.

• remote 'arm error'



You can bypass this feature on door for some car has delayed dome light feature by selecting **program Feature #18** see **program mode**  • Once Armed, the alarm will trigger when any of the following occurs :

• The doors are opened.



• The hood is opened.



• The trunk is opened.

• The shock sensor detects an impact to the vehicle.



• The warn away sensor detects an light impact to the vehicle.



• The extra sensor detects.



-Remote Display



page guard PG-8500s

• When the alarm triggers, the siren will sound and the signal lights will flash. If the system is triggered by the doors, hood, or trunk, the system will alarm for 45 seconds. If triggered by the sensor inputs, the system will alarm for 30 seconds.

In the event the alarm is triggered and remains triggered continuously by the same sensor or input during a single arming cycle, that sensor or input will be automatically bypassed until the next time the system is armed.

• Press button 1





#### **To Disarm the System**





• • • • • • System Operation





System Operation



page guard PG-8500s

Tamper Alert

If the system was triggered while away, the siren will chirp to indicate which zone triggered the system when remote disarming and will reset on the ignition turns On.

7 chirps: Ignition Triggered 6 chirps: Hood Triggered 5 chirps: Trunk Triggered 4 chirps: Door Triggered

3 chirps: Shock or Optional Sensor Triggered

#### R NOTE

Priority: Ignition Trigger, Door Trigger, Hood Trigger, Trunk Trigger, **Shock Sensor Trigger** 

### To enable or disable silent arming/disarming

when the system is triggered.

1. Disarm the system. 2. Press and hold button 4 untill display shows

-Remote Display

Silent Arming / Disarming) • • • • • • • • • • • •



3. Release button 4 (C)



• Chirp enable: The siren will chirp 3 times. -

The Page Guard PG-8500 system can be programmed to operate the system without Arm and

Disarm chirp indications. When programmed for full-time silent operation, the siren will sound only





<Tamper Alert> During Disarming, if the system was triggered while away from the vehicle, the siren will chirp 4 times, the signal lights will flash 4 times.





• • • • • • System Operation

• • • • • • System Operation

• The system is also capable of temporary silent operation if desired. Pressing the button 4 before Arming or Disarming the system will bypass the chirp confirmations and allow one-time silent operation.





The open zone warning chirps and tamper alert chirps will not be bypassed when the system is Armed or Disarmed silently.

#### **Passive Arming**

When programmed for the optional Passive Arming feature, the system arms itself automatically, each time the ignition is turned off and all of the doors are closed. program feature #1 see program mode

- 1. Trun off the Ignition.
- 2. Open the door and exit the vehicle.
- Once all doors are closed and the dome light is off, the LED will begin flashing rapidly.

The automatic Rearming feature is designed to protect the vehicle in the event the system is

rearm 30 seconds after disarming. If the optional Passive Door Locking feature is enabled,

The automatic Rearming feature functions separately from the Passive Arming feature and will

only ream the system if it was previously armed for more than 10 seconds and then disarmed by remote. The Automatic Rearming feature will be temporarily bypassed until the next arming cycle

accidentally disarmed. With the Automatic Rearming feature enabled, the alarm will automatically

the doors will also lock when the system rearms. program feature #3 see program mode

- After 30 seconds, the system is now armed and siren will chirp.
- The doors will lock program feature #2 see program mode



**Automatic Rearming** 

**MOTE** ▶ You can enable or disable passive arming feature with your remote.

page guard PG-8500s

# To enable or disable passive arming by remote

- 1. Disarm the system.
- 2. Press and hold button 4 Quntil display shows
- 3. Release button 4 (c)

**PASSIVE** 

 Passive arm enable **PASSIVE** -Remote Display Passive arm disable **PASSIVE** -Remote Display-

page guard PG-8500s

#### Valet Mode

The Valet Mode temporarily disables the security and remote start system so the vehicle may be operated by a mechanic or parking attendant.

#### To activate or deactivate the Valet Mode

- 1. Turn on the ignition.
- 2. Press Release Press Release Press and hold the override switch for 2 seconds.
- \* The siren will chirp once to confirm the Valet Mode is on.
- \* The siren will chirp twice to confirm the Valet Mode is off.
- 3. Turn off the ignition.



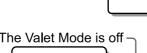
**F** NOTE ► You can enable or disable valet mode by remote see remote feature

#### To activate or deactivate the Valet Mode by Remote Transmitter

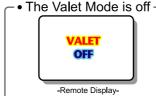
- 1. Disarm the system
- 2. Press and hold button 4 until display shows

if the ignition is turned on or the door is opened.

3. Release button 4 (c)



- • The Valet Mode is on ¬ **VALET** ON -Remote Display-



• While in Valet Mode the remote will continue to lock and unlock the doors, and operate the optional auxiliary functions.







#### **Emergency Override**

If the remote becomes lost or inoperable, the system can still be disarmed using the following procedure. Before beginning this procedure be sure to have the ignition key ready and know the location of the override switch.

#### To Emergency Override the system

- 1. Unlock the door using the key.
- 2. Enter the vehicle, the system will trigger and the siren will sound.
- 3. Turn ignition key on.
- 4. Press Release Press Release Press and hold the override switch for 2 seconds.
- 5. The vehicle will now be able to start.



#### **Panic Mode**

In the event of an emergency the remote Panic feature can be used to instantly trigger the alarm.

To activate the Panic Mode:

1. Press button 1 and button 2 together for 2 seconds.



PANIC

Remote Displays

\* The alarm will sound and signal lights will flash.

- 2. Press button 1 to stop Panic Mode.
- \* If not deactivated using button 1 , the Panic Mode will automatically exit after 30 seconds and the system will be armed state.



Display-

#### • • • • Remote Start Features

#### **Remote Starting**

#### To Remote Start the System

- 1. Be sure the system is not in Valet Mode.
- 2. Press and hold button 2 of for 2 seconds.









 The engine will start and run for the duration of its programmed Run Time. program feature #13 see program mode
 The heater or air conditioner will turn on (if turned on prior to exiting the vehicle).
 The remote transmitter display will show



28

• • • • Remote Start Features

#### **₩** NOTE

If the engine fails to start on the first attempt, it will repeat the starting procedure 2 more times. If the vehicle fails to start after a total of 3 times the remote transmitter display shows "ENGINE RUN ERROR".

Romata Dianlay

#### Shut Down

#### To Drive the Vehicle

- 1. Disarm the system by Remote Transmitter.
- Engine will shut down after 30 seconds.
- Turn on the ignition and press the Brake Pedal to disengage the Remote Start feature and drive the vehicle.
- 2. When the Remote Start feature is active, any of the following actions will shut down the engine:
  - Pressing button 2 for 2 seconds.
  - Pressing the Brake Pedal.
  - Opening the Hood.
  - Opening the Door without Disarming.
- Remote Start Time-Out (completion of the timed run cycle).





3. System will armed while Remote Engine Start function.

# • Extended Features

#### **OCCUPY TO SERVICE SERVICES**

#### Remote Trunk Open

The system is equipped with Trunk Open Output allowing the convenience feature for releasing trunk by remote.

Press button 3 for 2 seconds



**₹ NOTE** 

▶ Disarm with trunk open feature: the system can be programmed to automatically disarm the alarm when the trunk is opened using the remote transmitter. In this manner, the trunk can be accessed without first disarming the alarm. **DISARM** 

program feature #14 see program mode

-Remote Display-

Ignition Door Unlocking program feature #10 see program mode • • •

TRUNK OPEN

For added convenience, this feature automatically unlocks the doors after the ignition key is turned off.

OGGE QUAID PG-8500s

**System Programming** 

# **Dome Light Activation**

protect against locking the keys inside the vehicle.

lock systems to automatically lock the doors when the ignition is turned on.

If the optional Dome Light /activation feature is installed, the dome light will turn on when the system is disarmed using the Remote Transmitter, and remain on for 30 seconds or until the ignition is turned on.

Auxiliary Function Outputs program feature #7 see program mode • • •

Ignition Door Locking program feature #9 see program mode • • • • •

For added safety, the Ignition Door Locking feature allows vehicles equipped with power door

If a door is open when the ignition is turned on, the Ignition Door Locking feature is disabled to

The Page Guard PG-8000 system is equipped with one extra Auxiliary Channel Output allowing the convenience features of the system to be further expanded.

 Press button 3 and button 4 together for to seconds



# **Programming Feature**

#### **To enter System Programming**

- 1. Disarm the system.
- 2. Turn on ignition.
- 3. Press the override switch 5 times.
- The siren will chirp 6 times, indicating that you have entered Programming.
- 4. Press the override switch the number times equal to the System Parameter you want to change.
- The siren will chirp each time the override switch is pressed.

# **System Programming**

- 5. Within 5 seconds, press the remote transmitter button corresponding to the desired operating mode for that System Parameter.
- The siren will chirp to indicate the setting:

Button 1 (1) = 1 chirp

Button 2 = 2 chirps

Button 3 = 3 chirps

• • • • System Programming



- <Default Reset>Pressing button 3 will set all System Programming Parameters to factory default settings.
- 6. When you are finished, turn off the ignition to save the changes.

### OGGE GUAIA PG-8500s

6. When you are finished, turn off the ignition to save the changes.

Programming Feature	Button 1 (default)	Button 2
1. Arm Mode	Manual Arming	Passive Arming
2. Passive Door Locking	Disabled	Enabled
3. Auto Rearming Mode	Disabled	Enabled
4. Turbo Timer	Disabled	Enabled
5. Remote Start	Gasoline	Diesel
6. Remote Start Cranking Time	Short Crank	Long Crank
7. Optional Output	Factory Arm Output	AUX 2 Output
8. Door Lock Pulse Length	1 second	3 seconds
9. Ignition Door Locking	Disabled	Enabled
10. Ignition Door Unlocking	Disabled	Enabled

Programming Feature	Button 1 (default)	Button 2
11. Door Unlock Pulse	Single	Double
12. Warn away sirening	Sirening	No Sirening
13. Engine Run Time	15 minutes	25 minutes
14. Disarming with trunk open?	No	Yes
15. Automatic Start Mode	Disabled	Enabled
16. Trunk open output time	1 second	3 seconds
17. Turbo tmer setting	1 minute	2 minutes
18. Ignore Open Door Report	Report	Ignore
19. Rearm with Remote trunk open	Yes	No
20. Power Up	Sirening	Disarm

The following is a description of the programming options of the system.

- 1. Arm Mode: Selects between Manual and Passive Arming.
- 2. Passive Door Locking: Selects whether or not the system will automatically lock the doors during Passive Arming.
- 3. Auto Rearming Mode: When selected, the system will automatically re-arm 30 seconds after it is disarmed if the doors have not been opened.
- 4. Turbo Timer: When selected, the engine will run for 1 minute after ignition key is turned off.
- 5. Remote Start: Select between Gasoline Engine or Diesel Engine.
- 6. Remote Start Cranking Time: Selects between every short (0.5 seconds) or long (1.2 seconds) cranking time for the remote engine starting feature.
- 7. Optional Output: Selects between Factory Arm Output or Auxiliary 2 Output.

# page guard PG-8500s

# System Programming

#### • • • • System Programming

• • • • • System Installation

• • • • • • • • • System Wiring

8. Door Lock Pulse Length: Selects between 1 second or 3 seconds output for door locking and unlocking. Program 3 seconds for vehicles equipped with vaccum door locking systems.

9. Ignition Door Locking: Selects whether or not the system will automatically lock the doors 1 second after the ignition key is turned on.

10. Ignition Door Unlocking: Selects whether or not the system automatically unlocks the doors when the ignition is turned off.

11. Door Unlock Pulse: Selects between one pulse or two pulses operation for the door unlock output. Many new import vehile's factory door locking systems require two pulses on the proper wire to unlock the doors.

12. Warn Away Sirening: Selects between sirening mode or silent mode (lights flash only) when system is triggered by warn away sensor.

13. Engine Run Time: Selects between 15 or 25 minutes for the remote start run cycle.

14. Disarm with Trunk Open: When selected, activation the remote trunk open feature will disarm the alarm.

15. Automatic Start Mode: When selected, the system will automatically will start the car every 2 hours for 12 times (24 hours).

16. Trunk Open Output Time: Selects between 1 or 3 seconds output for trunk open output.

17. Turbo Time Setting: Selects between 1 or 2 minutes for turbo timer feature.

18. Ignore Open Door Report: When selected to 'ignore', system will bypass the open door warning chirps for vehicles equipped with a residual dome light circuit that remains on for a period of time after closing the door.

19. Rearm with Remote Trunk Open: System will rearm after trunk released by remote trunk open feature.

20. Power Up Mode: Selects between sirening or silent when system is powered up.

# OGGE QUAID PG-8500s

- Thoroughly read and become familiar with the installations before beginning the installation.
- Review system contents: see system contents page 3.
- Verify vehicle is equipped with electronic fuel injection, and starts/idles normally before installation.
- Determine if vehicle is equipped with a factory theft deterrent system and obtain proper bypass module if required.
- Find a location to mount the hood pin switch that will not interfere with the opening of the hood, and is not in a position that can accumulate water. The hood pin is a safety device that must be installed to avoid remote starting during engine servicing.
- Verify with the owner, the mounting locations for all visible components, including the LED and Override switch
- Verify with the owner, the optional features of the PG-8000 and the features that must be programmed during installation.
- Inspect and perform a function test of all vehicle system before and after the installation.
- Always use a Volt / Ohm meter for testing vehicle circuits. Never use a test light.
- Always look before drilling any holes or mounting self-tapping screws. Be sure fuel lines and exterior wiring looms are clear as they are often close to the chassis and difficult to see.
- Protect all wires running from the engine compartment to the interior of the vehicle by covering with electrical tape and split loom tubing. Be sure to use a grommet when routing wires through the firewall. Properly fuse any additional accessories such s window modules, door lock actuators, etc., making sure to power them separate from the alarm module. This will ensure the functionality of the security system in the event of an accessory failure.

# **Mounting the Control Unit**

The control unit must only be mounted in the interior of the vehicle.

Do not mount the main unit in the engine compartment, Choose a mounting location that will not be easily accessible to a thief. and will not interfere with the operation of any vehicle components such as foot pedals, steering column, air vents, seat rails, etc. Do not mount the control unit after setting the internal jumpers and performing a complete operation check of the system. After installation is complete and performance verified, the control unit can be easily mounted using wire ties through the mounting tabs on the bottom of the unit.

#### Mounting the Siren

Choose a siren mounting location that is away from heat sources such as exhaust manifolds, and where it cannot be easily accessed from underneath the vehicle. Be sure to face the siren downward to prevent the collection of water in the siren's housing. Always route all wires from the engine compartment into the interior of the vehicle through a proper grommet.

#### 

Choose a suitable interior mounting location for the shock sensor that provides ample coverage of the electrical interference. Suggested mounting locations include air conditioning ducts, dashboard braces, or center console supports. During proper operation, the shock sensor will detect impacts to the vehicle only and will not usually be triggered by slow rocking movements of the vehicle like those caused by wind.



# System Wiring 6 Pin Starter Harness 14 Pin Main Harness Plug-in Connectors • 45 Door Lock / Unlock Diagram ••

#### **6-Pin Starter Harness**

pin 1 : **RED WIRE** 

Main Power Input (+12voit). Connect to the battery or constant power wire at the ignition switch with a minimum 25 Amp supply. Remove the fuse until the

pin 2 : YELLOW WIRE

Starter Output (+12volt). Connect to the vehicle's starter wire.

pin 3 : **GREEN WIRE** 

Ignition Output (+12volt). Connect to the main ignition wire that provides +12V when the ignition is on and while cranking the starter.

pin 4 : **BLUE** 

Accessory Output (+12volt). Connect to the accessory wire coming from the ignition switch that supplies power to the heater / air-conditioner.

Some cars may have multiple accessory wires.

installation is complete and all wiring is checked.

provides +12V when the ignition is on .

pin 5: **BLACK WIRE** 

Ground Input (-). The Black wire must connect to a solid chassis ground.

Clean away any paint or dirt to insure the best possible ground.

pin 6: WHITE WIRE

Second Ignition Output (+12volt). The White wire provides +12V for a second

ignition wire. This wire may instead be connected to second Accessory wire.

# • • • • • • • • System Wiring

#### **14-Pin Main Harness**

pin 1 : **GRAY / BLACK :** Option 1 Output (-500mA). Factory Arm Output when Remote engine

Start.

Or, Auxiliary 2 Output by selecting program feature #7. see program mode

pin 2 : **BROWN :** Siren **Output** (+) 3A. The brown wire must connect to the siren's red wire.

The Black wire must be grounded.

pin 3 : **WHITE :** Left Signal Light **Output** (+) 10A. Connect the white wire to the left signal light wire.

pin 4 : **WHITE :** Right Signal Light **Output** (+) 10A. Connect the white wire to the right signal light wire.

pin 5 : **ORANGE :** Armed **Output** (-) 500mA. The Orange wire provides a ground

output while armed to activate a relay for starter defeat and anti-grind protection.

pin 6 : PURPLE/BLACK : Factory Disarm Output (-) 500mA. The Purple / Black wire provides a ground output on disarming and before remote starting to disarm factory security system.

Connect to the wire that requires a ground pulse to disarm the factory security system.

Dome Lihgt Output (-)500mA. Connect to the wire that activates the vehicle's dome light, usually the door pin switch wire. NOTE: The dome light output can usually

connect to the same wire used for the door trigger input.

pin 8 **RED/WHITE**: Brake Input (+). Connect to the wire that shows +12V when pressing the brake.

The Red/White wire is a safety shut down wire that must be connected.

pin 9 WHITE/BLACK: Hood Pin Input (-). Connect to the hood pin switch. The switch must provide a ground

output when switch is opened.

pin 10 **GREEN**: Door Input (+ or -). Connect to the door switch circuit wire that shows ground

(Negative Type; most cars) or +12volt (Positive Type; usually found on Ford vehicles)

when the door is open. see control unit diagram

pin 11 PURPLE: Ground When Running Output (-)500mA. Coonnect to an optional factory security

bypass module if required.

pin 12 **YELLOW**: Generator Input (+). Connect to the wire that shows more than +6volt when engine

is running. The Yellow wire is detecting the status of engine. see control unit diagram

pin 13 **BLUE**: Trunk Input (-). Connect to the trunk switch circuit wire that shows ground when

the trunk is opened.

pin 14 **GREEN/BLACK**: Optional Trigger Input (-). Extra input trigger wire (such as radar, ultra sonic sensors).

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# page guard PG-8500s

# System Wiring

### Plug-in Connectors

pin 7 : **GRAY**:

2-Pin Rad Connector: \* Sensor trigger Input for extra sensor.

\* Trunk Open Output (-)500mA. Connect to a relay for an optional features such as trunk release, etc. This output may be programmed

for 1 second or 3 seconds.program feature #16. see program mode

2-Pin Blue Connector: LED port. Mount LED in an area where it may be easily seen from

either side of the vehicle.

2-Pin White Connector: Valet switch port. Mount program switch in an area that is easily

accessible from the driver's position.

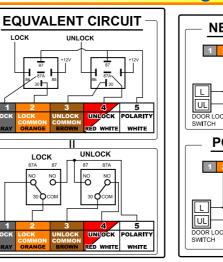
5-Pin White Connector: Transceiver unit port. Mount transceiver module on front of window

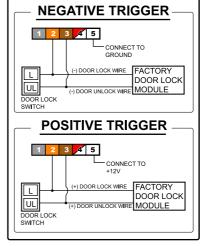
vehicle. see control unit diagram

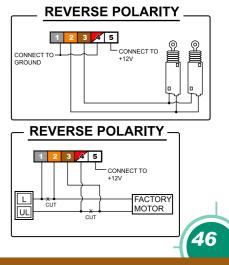
4-Pin White Connector: Dual stage shock sensor port.

5-Pin White Connector: Door lock / unlock port. see Door lock / Unlock Diagram

# Door lock / Unlock Diagram



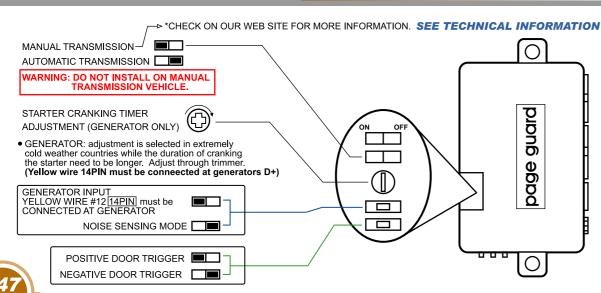


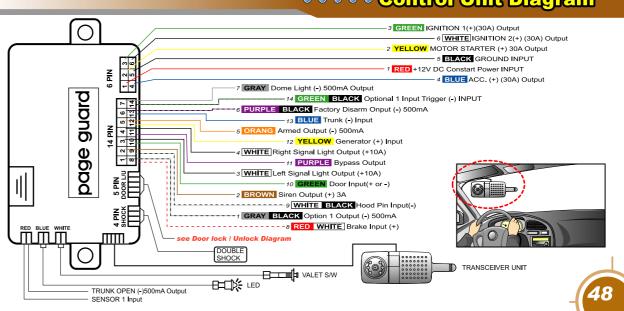


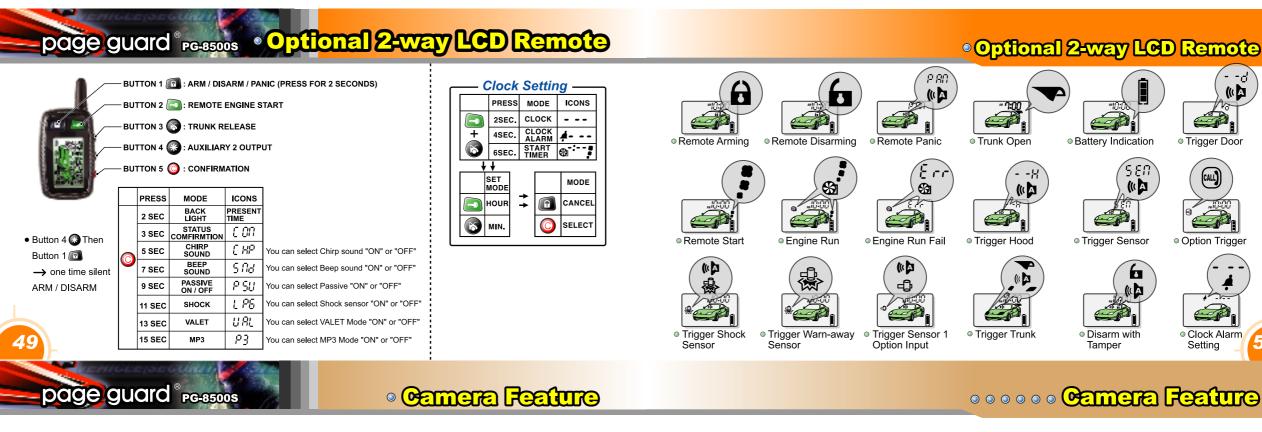
# page guard PG-8500s

# • Control Unit Diagram

# • • • • • Control Unit Diagram







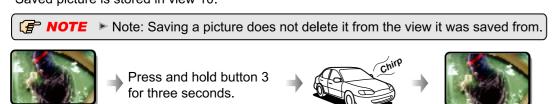




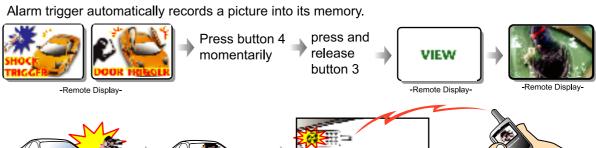


Views 1 through 9 are kept in the same sequence as they were taken.

\* Saved picture is stored in view 10.



### Auto Record Picture





Trigger Door

CALL

Ontion Trigge

Clock Alarm

Setting

Disarm with

Tamper