

INSTALLATION MANUAL

**BEFORE INSTALLING THIS PRODUCT PLEASE READ THIS
INSTALLATION MANUAL THOROUGHLY!!**

Before Installing:

- This product must be installed by qualified personnel according to these instructions and observing all safety features.
- Before mounting the product check the possible locations for the siren, LED and module before you permanently install them
- Always look before drilling. Make sure you will not cause damage to vehicle hoses, electrical looms or physical damage to the vehicle.
- Program the Polarity Jumpers for Parking Lights & Illuminated Entry Output as described on page(s).
- Check to see if the vehicle is equipped with any type of factory security system.
- Verify with the customer the desired location for the program switch and LED.
- Always use a multi-meter when verifying vehicle wiring.

Hardware:

- Main unit
- 2 4-button, Remote transmitters with labeled buttons for lock, unlock trunk release and option.
- Built-in relay for parking lights with polarity jumper for +/- output
- Built-in relay for dome light with polarity jumper for output
- Built-in relay for auxiliary output
- Built-in relay for starter defeat (normally closed)
- Built-in relays for door locks
- Plug-in connector for LED
- Plug-in connector for valet override switch
- Plug-in connector for shock sensor
- Plug-in connector for auxiliary sensor
- Standard siren
- Dual-zone plug-in shock sensor Part Kit:
 - Main harness
 - Plug-in LED
 - Plug-in override switch
 - 3-Pin door lock harness
 - 2-wire starter defeat lead
 - (2) Window stickers

Plug in Connectors:

4-Pin White Connector: Plug-in connector port for dual stage shock sensor.

- GREEN WIRE - negative lock output (-).

2-Pin Red Connector: Plug-in connector port for LED. Mount LED in an area where it may be easily seen from either side of the vehicle.

2-Pin Blue Connector: Plug-in connector port for program/service switch. Mount program switch in an area that is easily accessible from the driver's position.

5-Pin White Door Lock Connector:

- WHITE - Lock Switch (87a)
- GREEN - Lock Motor (30)
- BLUE - Unlock Motor (30)
- BROWN - Unlock Switch (87a)
- VIOLET - Polarity Select (87)

Operation

Remote Arming

When Armed, the system monitors and protects 4 independent areas, or zones, including the doors, hood/trunk, shock, and an optional sensor.

To Arm the System:

1. Turn off the ignition.
2. Press the Lock Button.
 - The siren will chirp once
 - The doors will lock.
 - The parking lights will flash once.
 - The LED will begin flashing indicating the doors, hood and trunk inputs are activated.
 - The siren chirp(s) during Arming will alert you the condition of the system and vehicle when the system is armed.

- 1 chirp = normal arming
- 4 chirps = hood or trunk open
- 4 chirps after normal arming = door open

During Arming, if the system detects a bad sensor or an open zone, the system will ignore that input, but keep all other areas protected.

3. After 10 seconds:
 - The LED will begin blinking, indicating that the shock sensor input is activated.

While the system is Armed, the system will trigger if:

- The doors are opened.
- The shock sensor detects an impact to the vehicle.
- The hood or trunk is opened.

When triggered, the siren will sound, the horn will honk, and the parking lights will flash. If the system is triggered by the ignition, doors, hood, or trunk, the system will alarm for 40 seconds. If triggered by the sensor inputs, the system will alarm for 20 seconds.* If the same input triggers the system 3 times during a single arming cycle, the system will bypass that input, keeping the other zones protected, until the next time the system is armed.

If the shock sensor detects a light impact to the car or the radar sensor detects an exterior zone disturbance, the system will sound 5 chirps to warn away the potential intruder.

Remote Disarming

To Disarm the System:

Press the Unlock Button:

- The siren will chirp twice.*
- The doors will unlock.
- The parking lights will flash twice.
- The dome light will turn on.
- The LED will turn off.

The siren chirps during disarming will alert you if the system had been triggered while armed.

- 2 chirps = normal disarming
- 3 chirps = Tamper Alert - system was triggered

Tamper alert with zone indication - If the system is was triggered while away from the vehicle, the system will respond by giving 3 chirps to indicate the system was triggered. The LED will flash for 60 seconds after disarming to indicate which zone was triggered. The LED will stop flashing after 60 seconds or after the ignition is turned on or the system is rearmed. The LED will indicate the zone by flashing a number of times then pausing and repeating the number again.

- 1 flash = door
- 2 flashes = trunk
- 3 flashes = shock sensor
- 4 flashes = ignition

example:

flash-flash-pause-flash-flash-pause = Trunk

Full-time Silent Arming / Disarming

The system can be programmed to Arm and Disarm the system with or without chirp confirmation during installation.

To temporarily cancel the Arming and Disarming confirmation chirps, you can Arm or Disarm the system by briefly pressing the Auxiliary (trunk) output.

Note: The confirmation chirps will only be cancelled if the system status is normal. The chirp indications for the open zone warning will not be cancelled when the system is Armed or Disarmed silently.

Arming Mode Selection (Passive or Active Arming)

The system can be set in one of the following Arming Modes:

- Active Arming (by Remote Only)
- Passive (automatic) Arming with chirp confirmation

Passive Arming

When the Arming Mode has been set for Passive Arming, the system arms itself automatically, each time the ignition is turned off and all of the doors, hood and trunk are closed.

To start the Passive Arming Process:

1. Turn off the ignition.*
2. Open the door and exit the vehicle.
*The status LED will begin to flash quickly.
3. Close all doors.
4. After 20 seconds,
 - The siren will chirp.
 - The parking lights will flash.
 - The doors will lock 10 seconds later.
 - The status LED will flash red, indicating the system is armed.

5. The system is now armed.
*The ignition must have been on for at least 10 seconds before the Passive Arming sequence will begin.

**If the Passive Locking feature is selected.

To temporarily disable Passive Arming, you can turn the ignition key on then off, within 10 seconds. The

status LED will stop flashing, and the system will not passively arm until the next time the key is on for more than 10 seconds. This feature is useful for turning off passive arming when refueling or washing the car or if you want to sit in the car and do not want the system to arm.

Automatic Bypass for Defective Zones

If any zone is triggered five consecutive times in any one arming cycle, that zone will be deemed defective and ignored until the next arming cycle.

Automatic System Rearming

This feature, which can be turned on during the installation, insures the security of the system by protecting the car in case of unintentional disarming. If the system is disarmed using the transmitter, the system will automatically rearm if no other activity is detected within one minute. If the hood or trunk is open, the system will wait for the zone to close, then arm. 20 seconds after Remote Disarming, the LED will turn on solid for 10 seconds, and then arm. (If the Passive Door Locking feature is selected during the installation, the system will also relock the doors.) Turning on the ignition will cancel Automatic System Rearming. Automatic System Rearming only takes place if the system was Armed (actively or passively) for at least 10 seconds and then Disarmed using the Remote Transmitter.

Panic Mode

Allows you to instantly trigger the alarm in an emergency situation by the Remote Transmitter. To enter Panic Mode:

1. Press and hold the Lock Button for 3 seconds.
 - The siren will sound.
2. Press the Lock Button again to stop Panic Mode and put the system in the armed mode.
3. Press the Unlock Button to stop Panic Mode and put the system in the disarmed mode.

If Panic Mode is not stopped by the Remote, it will automatically time out after 30 seconds, and the system will return to its prior Armed/Disarmed state.

Valet Mode

Allows you to temporarily disable the security system when the car is being service or turned over to a parking attendant.

To turn Valet Mode on or off:

1. Turn on the ignition.
2. Press and hold the override switch for 3 seconds.
 - The siren will chirp once to indicate you have turned Valet Mode on.
 - The siren will chirp twice to indicate you have turned Valet Mode off.
3. Release the override switch. While Valet Mode is on, the LED will light solid and you can continue to lock and unlock your doors with the Remote Transmitters, as well as operate the Auxiliary Functions.

Emergency Override/Disarm

In case the Remote Transmitter becomes inoperable, or it is lost or stolen, you can still enter and drive the car by using the following procedure:

To override the system:

1. Unlock the door using the key.
2. Enter the vehicle.
 - Because the system is armed, the system will trigger and the siren will be sounding.
3. Turn ignition key on.
4. Press and hold the override switch for 3 seconds.
 - The system will disarm.
5. You can now start and drive the car.

Adding a New Transmitter into the System

1. Turn the ignition on, off, on and leave on.
 - The siren will chirp.
2. Press the Override switch.
 - The status LED will turn on red.
 - The siren will chirp.
3. Press the Lock Button on the first transmitter.
 - The siren will chirp once.
4. Press Lock Button on the first transmitter again.
 - The siren will chirp twice.
5. Repeat steps 3 and 4 for each additional transmitter.
6. Turn off the ignition.
 - The siren will chirp 3 times.

Deleting Transmitters (Adding a Remote Transmitters and Erasing All Other Transmitters From the System)

All stored transmitter codes are automatically deleted when any new transmitter is coded into the system.

Ignition Controlled Door Locking

For added convenience and safety, this feature automatically locks the car's doors 10 seconds after the ignition key is turned on.

To prevent you from accidentally locking the keys inside the car:

- The system will not automatically lock the doors if a door is open when the ignition key is turned on.

Ignition Controlled Door Unlocking*

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

*For personal safety reasons, this feature can be turned off during installation.

Dome Light Control

The dome light will turn on for 30 seconds when the system is disarmed (or unlocked in Valet Mode) using the Remote Transmitter.

Horn Honk/Alarming Output

The horn honk/alarming output is provides a negative output only when the alarm is triggered. This output is programmable for flashing operation in horn honk setting or continuous operation in alarming setting.

Remote Sensor Bypass

During installation, the system can be set up so that in case of extreme weather conditions such as high winds, the sensors can be temporarily bypassed from the Remote Transmitter while the system is armed to prevent the system from false alarming.

To Bypass the sensors:

1. After arming the system, press the Lock Button on the Remote Transmitter within 3 seconds.
 - The siren will chirp 5 times, indicating the sensors have been bypassed.
 - The sensors will remain bypassed until the next time the system is armed.

Default Reset for User Programming

Following this procedure will set only the User Programming Parameters to factory default settings.

1. Enter User Programming.
2. Press Transmitter Button 3.
 - The siren will chirp 6 times indicating the reset signal was received.
 - Only User Programming parameters are now set to factory default settings.
3. Turn ignition off.

Entering Installer Programming

To enter System Programming:

1. Turn on ignition.
2. Within 5 seconds, press the valet switch 5 times.
 - The siren will chirp, indicating that you have entered Installer Programming.
3. Press the valet switch the number times equal to the Installer Parameter you want to change.
 - The siren will chirp each time the valet switch is pressed.
4. Within 5 seconds, press the transmitter button corresponding to the desired operating

mode for that Installer Parameter.

- The siren will chirp to indicate the setting.
 - One chirp = Button 1
 - Two chirps = Button 2
 - Three chirps = Button 3

5. When you are finished, turn the ignition key off to save the changes. You can turn the key off at any time during programming and the changes that were made will be saved.

Complete Default Reset

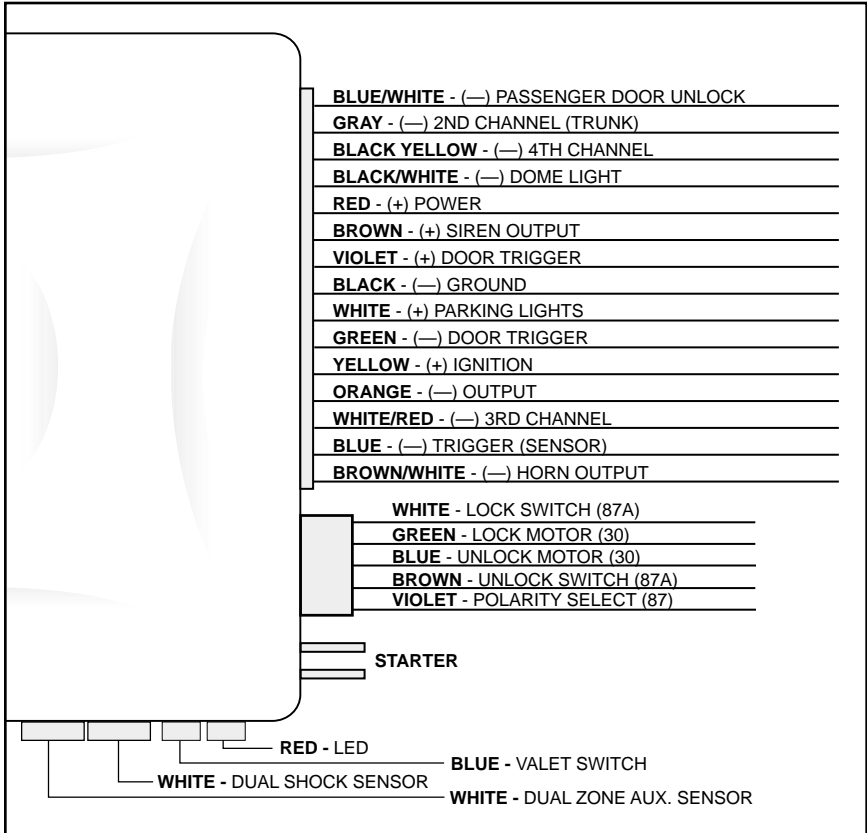
Following this procedure will set all User and Installer Programming Parameters to factory default settings.

1. Enter System Programming.
2. Press Transmitter Button 3.
 - The siren will chirp 6 times indicating the reset signal was received.
 - All Installer and User Programming parameters are now set to factory default settings.
3. Turn ignition off.

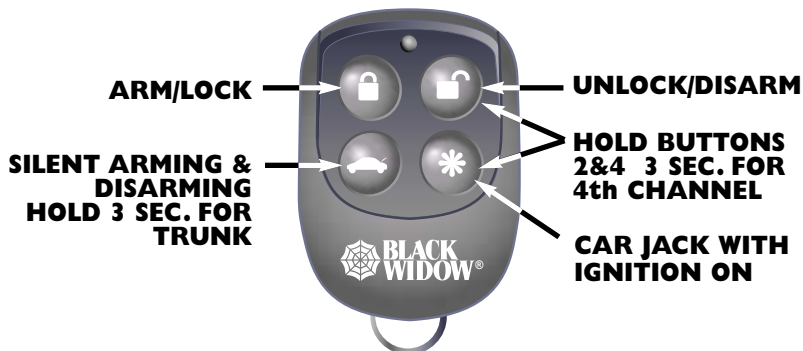
Installer Programmable System Parameters





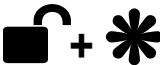
Feature	Button 1 (default)	Button 2	Button 3
1. Arming	Passive Arming	Active Arming	Passive w/Chirps
2. Silent Arm/Disarm w/2nd Channel	Enabled	Disabled	
3. Parking Lights on Disarm	On for 30 seconds	Flash 2 X's only	
4. Auto Rearm	Enabled	Disabled	
5. Arm/Disarm Chirps	Enabled	Perm. Chirp Disabled	
6. Disarm w/2nd Channel	Enabled	Disabled	
7. Auto Lock/Unlock w/Ignition	Enabled	Disabled	Auto Lock/No Unlock
8. Door Lock Output Time	1 Second Pulse	3 Second Pulse	
9. Anti Car Jack Feature	Disabled	Enabled	
10. Door Lock O/P in Passive Mode	Enabled	Disabled	
11. Door Lock O/P Pulse	Single Pulse	2 Pulse for Unlock	2 Pulse for Lock
12. Car Jack Feature	On w/Remote	On by Door Opening	On by Ignition
13. Faulty Sensor Report	10 seconds	60 seconds	
14. Arm/Disarm Chirps w/Horn	No A/D Chirps	A/D Chirps w/Horn	A/D Chirps w/Horn & Warn Away on Sensor

SECURITY/NETWORK INTERFACE WIRING DIAGRAM

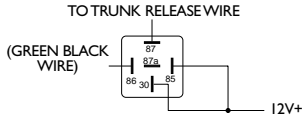


4-BUTTON SECURITY TRANSMITTER OPERATION

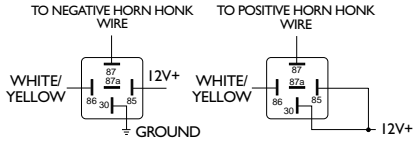


BUTTON	OPERATION
	ARM/LOCK - By pressing this button for 3 seconds for PANIC.
	UNLOCK/DISARM - By pressing this button for 3 seconds system is disarmed.
	TRUNK - SILENT ARMING & DISARMING - By pressing this button for 3 seconds trunk is unlocked.
	OPTIONAL - By pressing this button for 3 seconds optional 3rd channel can be used for remote start, etc.
	OPTIONAL 4th CHANNEL - By pressing these buttons for 3 seconds optional 4 channel is activated for window roll-up, etc.

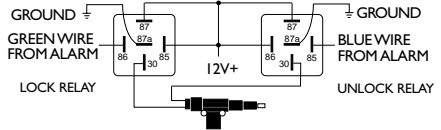
**TRUNK RELEASE
CIRCUIT DIAGRAM:**



HORN HONK DIAGRAM:



REVERSE POLARITY (ADDING ACTUATORS):



REVERSE POLARITY USING FACTORY SYSTEMS:

