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1.888.80.ZENESIS  
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Z-101 A/S/AS

# USER MANUAL

## NOTES:



Thank you for purchasing our product. Our systems have all been designed and tested to be compatible with the earliest to latest vehicles available throughout the world. Our primary goal was to provide a reliable and stable product. Our secondary goal was to ensure that our systems are easy to install. Our final goal was to provide features that would benefit the user and installer. We are confident that our products will meet and exceed your expectations. We are constantly working to research, design, and build next generation products. We would not expect anything less since we use our products in our own vehicles.

Statement : This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful Interference,
- and (2) this device must accept any interference received, Including interference that may cause undesired operation.

Notice : For intentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

The use of a permanently attached antenna or of an antenna that user a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

The manufacturer may design the unit so that broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

## **CAUTION!**

### **PLEASE READ CAREFULLY**

The user and installer should completely read the User Manual, Installation Manual, and the vehicle's manual completely before installing and operating this system. Not reading the manuals completely may result in injury or damage to the user(s), installer(s), and/or the vehicle. Installation and use of this system is acknowledgment that the user and installer have fully read the manuals and indemnify Zenesis Alarms from any injuries or damages resulting from wrong use of our system. Please take the following precautions.

1. When using remote start, place the gear in Park(P) (automatic transmission) or Neutral (manual transmission) and set the parking brake (emergency brake)
2. The transmission (Tx) and reception (Rx) distance will vary from interference from other radio signals.
3. If any defects are discovered, do not open or attempt to repair the system. Ask the installer for assistance.
4. Zenesis Alarms will not be responsible for any theft and/or damages to your vehicle.
5. The installer of this system will be responsible for any injuries and/or damages resulting from incorrect installation.
6. The user of this system will be responsible for any injuries and/or damages resulting from misuse.

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## WARRANTY CARD

Use this warranty card for your records. Please go to [www.zenesisalarms/warranty](http://www.zenesisalarms/warranty) to fill out the warranty details. Visit the link above for specific warranty terms and conditions.

Model Number	
Owner's Name	
Owner's Address	
Owner's Phone	
Date of Purchase	
Date of Install	
Retailer Name	
Retailer Address	
Retailer Phone	
Installer Name	
Installer Address	
Installer Phone	

### **3.16 SHOCK SENSOR ON/OFF**

The Shock Sensor can be turned ON or OFF via the remote control.



To turn ON or OFF the shock sensor, follow the Button Sequence: Hold Brake Pedal and then press Function Button 3 times and then press Unlock Button once. Do the same procedure again to toggle between ON and OFF.

### **3.17 Z-PASS TOUCH**

The system can be armed or disarmed by “touching” the Z-Pass Touch with a PIN of 4 - 10 digits.



#### **1. PIN Registration**

- a. Turn Key to ON position (Engine OFF)
- b. Press ENTER until ALL OUTER LED's light up.
- c. Enter 4 - 10 digit PIN. In order to toggle between “1 - 5” and “6 - 0”, press “SHIFT”.
- d. Once all of the numbers are entered, press ENTER until all LED's blink 3 times.

#### **2. System Arm/Disarm**

- a. Press ENTER until ALL LED's blink 1 time.
- b. Enter 4 - 10 digit PIN.
- c. Press ENTER until ALL LED's blink 4 times.
- d. System will Arm or Disarm accordingly.

#### **3. Driver Call**

- a. Press DRIVER CALL 3 times while the system is in armed mode.
- b. All LED's will blink quickly and 2 siren chirp / light flash will occur. Driver call will be sent to the 2-way remote control.

#### **4. Discrete mode**

- Hold driver call button until outer LED's blink once.
- To turn OFF discrete mode, hold down driver call button until outer LED's blink twice. Discrete mode can be done in armed or disarmed mode.

## **1. INTRODUCTION**

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- 1.1 System Contents
- 1.2 Remote Control Button Layout
- 1.3 Remote Control Battery Replacement
- 1.4 Remote Control Button Introduction

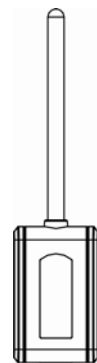
## 1.1 System Contents



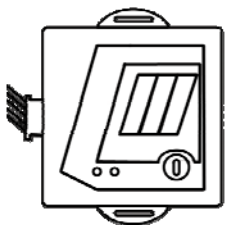
Main Control Module



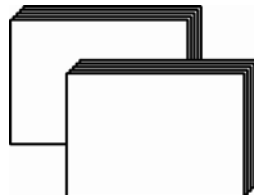
Remote Control x 2  
1 x 2-way & 1 x 1-way



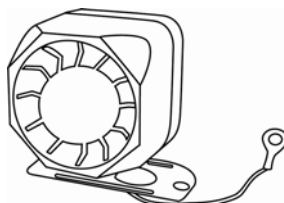
Antenna Module



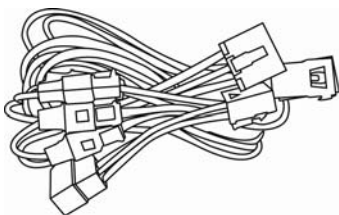
Shock Sensor

















Manuals



Siren



Wiring Harnesses



Button(s)	Duration	Description
 → 	Press and release Function Button → Press and release Lock Button	Aux 1
 → 	Press and release Function Button 0 → Press and release Unlock Button	Aux 2
 → 	Press and release Function Button → Press and release Remote Start Button	Aux 3
 → 	Press and release Function Button → Press and release Trunk Button	Aux 4
 x2 → 	Press and release Function Button twice → Press and release Lock Button	Aux 5
 x2 → 	Press and release Function Button twice → Press and release Unlock Button	Aux 6
 x2 → 	Press and release Function Button twice → Press and release Remote Start Button	Aux 7

### 3.15 Shock Sensor (101 A/AS)

The dual stage shock sensor can detect 2 types of shock: light and hard. Light shocks will result in siren chirps and parking light flashes as a warning. Hard shocks will result in the system being triggered. Sustained light shocks will also trigger the system. If paging is on, the remote control will alert the user to the triggering of the system.

### 3.16 Shock Sensor Sensitivity (101 A/AS)

The sensitivity of the shock sensor can be controlled by turning a dial on the shock sensor module. Turn the dial according to the amount of sensitivity that is desired. Keep in mind that turning the sensitivity to its maximum can result in false alarms.

1. While the engine is running, hold down Brake Pedal Press and hold Remote Start Button for 2 seconds. You will see 6 parking light flashes. You will see alternating BLUE and RED LED flashes on the remote control. You will hear 6 siren chirps and remote control beeps.
2. Engage the parking brake
3. Turn the key to the OFF position and vacate the vehicle without pressing the brake pedal.
4. Press and release .
5. You will see 6 parking light flashes. You will see alternating BLUE and RED LED flashes on the remote control. You will hear 6 siren chirps and remote control beeps. The system is armed.
6. The engine will run according to the Remote Start Run Time.
7. When you return to the vehicle, press and release . The system is disarmed.
8. Turn the key to the ON position. Do not turn the key to the Start position. You may damage your starter motor.
9. Disengage the parking brake and drive away.

### 3.14 Aux Outputs

- Aux outputs can be used to control other devices such as window modules for rolling up or rolling down windows.
- Press corresponding Button Sequences to activate Aux outputs. 1 parking light flash and 1 siren chirp will confirm output. The remote control will blink once and beeps a melody to confirm.

#### TIMED PULSE, MOMENTARY, LATCH:

Each AUX OUTPUT has three sub-categories of programming: TIMED PULSE, MOMENTARY and LATCH.

TIMED PULSE, once activated will run the AUX OUTPUT for a programmed set period of time. For example, if it takes 6 seconds to roll down the windows, the AUX OUTPUT that is programmed will “run” the AUX OUTPUT for 6 seconds in order to roll down the windows.

MOMENTARY, once activated will run the AUX OUTPUT according to how long you are activating (pressing) the corresponding button sequence. For example, if you have a convertible, you can HOLD DOWN the corresponding AUX OUTPUT button sequence and stop at a desired time. If you want your convertible roof to stop at halfway, you can do so through this.

LATCH: once activated will run the AUX OUTPUT. You must press the corresponding button sequence to deactivate the AUX OUTPUT function.

## 1.2 Remote Control Button Layout



### One-way Remote Control

#### Specifications

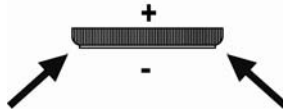
Radiation	± 20 ppm / year	Temperature	- 40°C ~ +80°C
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### 1.3 Remote Control Battery Replacement

Slide out the battery tray.











1. Replace with CR2032 3V battery.



Caution: Ensure that the polarity of the battery is correct. The positive (+) terminal should be facing you.

### 1.4 Remote Control Button Layout

#### Primary Features

Button(s)	Duration	Description
	0.5 sec	Door Lock / Arm (101 A/AS)
	0.5 sec	Door Unlock / Disarm (101 A/AS)
	0.5 sec	Vehicle Status
	2 sec	Panic (101 A/AS)
	0.5 sec	Remote Control Button Hold
	2 sec	Remote Start
	2 sec	Trunk Release
	Hold Function Button for 2 sec → Press and release Remote Start Button	Valet Mode ON/OFF

#### Secondary Features

Turbo Timer ON			
Vehicle	1 parking light flashes & 1 siren chirp	Remote Control	1 x BLUE LED flash & 1 beep
Turbo Timer OFF			
Vehicle	2 parking light flashes & 2 siren chirps	Remote Control	2 x BLUE LED flashes & 2 beeps
Turbo Timer AUTO (NORMAL)			
Vehicle	3 parking light flashes & 3 siren chirps	Remote Control	3 x BLUE LED flashes & 3 beeps
Turbo Timer AUTO (EXTREME)			
Vehicle	4 parking light flashes & 4 siren chirps	Remote Control	4 x BLUE LED flashes & 4 beeps

When the Turbo Timer is set to ON, the Turbo Timer Run Time must be set in the User Programmable Options. Each time the engine is turned OFF, the engine will continue to run according to the set time.

When the Turbo Timer is set to Auto (Normal), ZMATIC Intelligent Turbo Timer takes the guesswork out of knowing how long to keep the engine running so that the turbocharger and/or supercharger can adequately cool down. ZMATIC Intelligent Turbo Timer will calculate an adequate amount of time through complex algorithms based upon driving "style" and duration. The maximum amount of Turbo Timer Running Time for this setting is 6 minutes. When the Turbo Timer is set to Auto (Extreme), ZMATIC Intelligent Turbo Timer will make the same complex calculations as Auto (Normal). However, this setting is for those drivers who wish to run the Turbo Timer longer than normal due to extreme driving conditions due to spirited driving. The maximum amount of Turbo Timer Running Time for this setting is 12 minutes.

The duration for idling can be specified through the User Programmable Options.

**CAUTION:** Please ensure that the vehicle is in Park (automatic transmission) or Neutral (manual transmission). Also, ensure that the parking brake (emergency brake) is engaged. Do not idle the vehicle in an enclosed area. Do not idle the vehicle if any laws prohibit this action.

### 3.13 Convenience Run




(Hold Brake Pedal down. Press and hold Remote Start Button for 2 seconds)



This feature will allow the engine to run even though the key has been removed from the key cylinder. The engine will run for the amount of time that is set in Remote Start Run Time.



see 3 parking light and BLUE LED flashes. Cold or Hot Start Main Setting is now set to Cold.

18. Press and release .
19. You will also hear 1 remote control beep to signify the first button in the sequence.
20. Press and release .
21. You will hear 2 remote control beeps to signify the second button in the sequence.
22. Press and release .
23. You will hear 3 remote control beeps to signify the third button press.
24. You will also hear 5 siren chirps and remote control beeps. You will also see 5 parking light and BLUE LED flashes. Run time is now set to 25 minutes.

Wait until the BLUE LED on the remote control ceases to flash. You have no exited Cold/Hot Start Timer Programming Mode.

### 3.12 Turbo Timer
























(Hold Brake Pedal. Press and release Function Button 4 times and then press and release Remote Start Button)







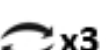









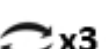




This feature will allow turbocharged or supercharged vehicles to cool down by idling the engine for a specified amount of time. The engine will continue to idle after the key is turned to the OFF position.

Zenesis Electronics developed patent-pending ZMATIC Intelligent Turbo Timer that allows users to select 4 different settings for Turbo Timer.

There are 4 settings for the Turbo Timer: OFF (default) → ON → Auto (Normal) → Auto (Extreme).

You can access each setting by going through the process (Hold Brake Pedal. Press Function Button 4 times and then press Remote Start Button) each time. Each time you press the Button Sequence, the system will cycle to the next setting. Each setting also has siren chirps/parking light flashes & remote control beeps/BLE LED flashes according to the setting. See table below:









Button(s)	Duration	Description
 ~	2 sec	Temperature Status
 ~ → 	Hold Function Button for 2 sec → Press and release Trunk Button	Paging ON/OFF (101 A/AS)
 ~ → 	Hold Function Button for 2 sec → Press and release Unlock Button	Remote Control Beep Mute ON/OFF
 ~ → 	Hold Function Button 2 sec → Press and release Lock Button	Siren Mute ON/OFF (101 A/AS)
 → 	Press and release Function Button → Press and release Lock Button	Aux 1
 → 	Press and release Function Button → Press and release Unlock Button	Aux 2
 → 	Press and release Function Button → Press and release Remote Start Button	Aux 3
 → 	Press and release Function Button → Press and release Trunk Button	Aux 4
 x2 → 	Press and release Function Button twice → Press and release Lock Button	Aux 5
 x2 → 	Press and release Function Button twice → Press and release Unlock Button	Aux 6
 x2 → 	Press and release Function Button twice → Press and release Remote Start Button	Aux 7

Button(s)	Duration	Description
 x2 → 	Press and release Function Button twice → Press and release Trunk Button	AUX 8
 →  x3 → 	Hold Brake Pedal → Press and release Function Button three times → Press and release Lock Button	Passive Arm ON/OFF
 →  x3 → 	Hold Brake Pedal → Press and release Function Button three times → Press and release Remote Start Button	Ignition Lock ON/OFF
 x5 → 	Press and release Function Button five times → Press and release Lock Button	Second car control
 →  x4 → 	Hold Brake Pedal → Press and release Function Button four times → Press and release Remote Start Button	Turbo Timer ON / OFF / AUTO (Normal) / AUTO (Extreme)
 x5 → 	Press and release Function Button five times → Press and release Unlock Button	Cold/Hot Timer Options
 →  x3 → 	Hold Brake Pedal → Press and release Function Button three times → Press and release Unlock Button	Shock Sensor ON/OFF
 →  x4 → 	Hold Brake Pedal → Press and release Function Button four times → Press and release Lock Button	Safety Rearm
















temperature is hotter than a set temperature or colder than a set temperature.

- Hot Start Temperature  
This is the threshold temperature for the Hot setting. If the vehicle's internal temperature goes above this value, the timer will start.
- Cold Start Temperature  
This is the threshold temperature for the Cold setting. If the vehicle's internal temperature falls below this value, the timer will start.
- Run Time  
This is the amount of time that the remote start will run for during Cold/Hot Start.

For example, if Cold/Hot Start Timer is set to start every hour if the temperature falls below  $-15^{\circ}\text{C}$  and remote start is to run for 25 minutes, programming would be...

- Press and release  5 times.
- Press and release .
- You will hear 5 siren chirps and see 5 parking light flashes. The remote control will beep once and the BLUE LED will flash quickly. You are now in Cold/Hot Start Timer Programming Mode. Follow the chart below for programming options.
- Press and release .
- You will also hear 1 remote control beep to signify the first button in the sequence.
- Press and release .
- You will hear 2 remote control beeps to signify the second button in the sequence.
- Press and release .
- You will hear 3 remote control beeps to signify the third button press.
- You will also hear 2 siren chirps and remote control beeps. You will also see 2 parking light and BLUE LED flashes. Cold/Hot Start Timer will now start every 1 hour.
- Press and release .
- You will also hear 1 remote control beep to signify the first button in the sequence.
- Press and release .
- You will hear 2 remote control beeps to signify the second button in the sequence.
- Press and release .
- You will hear 3 remote control beeps to signify the third button press.
- You will also hear 3 siren chirps and remote control beeps. You will also

10. You can program more features if desired.
11. If you are finished programming, wait until you exit programming mode.  
The remote control BLUE LED will stop flashing quickly.

Feature	Button Combination	Options				
		 (Default)				
Timer Setting	 → 	OFF	1 Hour (starts every 1 hour)	2 Hours (starts every 2 hours)	4 Hours (starts every 4 hours)	6 Hours (starts every 6 hours)
Cold or Hot Start Main Setting	 → 	OFF	HOT	COLD	HOT & COLD (combo)	
Hot Start Temperature	 → 	25 C (77 F)	30 C (86 F)	35 C (95 F)	40 C (104 F)	45 C (113 F)
Cold Start Temperature	 → 	- 10 C (14 F)	- 15 C (5 F)	- 20 C (-4 F)	- 25 C (-13 F)	- 30 C (-22 F)
Run time (duration)	 → 	5 minutes	10 minutes	15 minutes	20 minutes	25 minutes

### Legend:

~ : Press and hold button for 2 seconds.



→ : Press buttons in sequence (not together).



: Function Button

For example,



means to press  (Function Button) two (2) times and then press .



1. **Timer Setting**  
The timer setting will either turn ON or OFF the Cold/Hot Timer. Selecting a time to start the remote starter will turn ON Cold/Hot Timer.
2. **Cold or Hot Start Main Setting**  
The Cold/Hot Timer can be set to start according to timer and/or temperature constraints. If Hot, Cold, or Hot & Cold is not selected, the remote start will engage according to the timer only. If Hot is selected, the remote start will engage if the vehicle's internal temperature is hotter than a set temperature. If Cold is selected, the remote start will engage if the vehicle's internal temperature is colder than a set temperature. If Hot & Cold is selected, the remote starter will engage if the vehicle's internal






## 2. PRIMARY FEATURES

- 2.1 Door Lock (Arm—302AS)
- 2.2 Door Unlock (Disarm—302AS)
- 2.3 Arm / Disarm Status (302AS)
- 2.4 Vehicle Status
- 2.5 Panic (302AS)
- 2.6 Remote Start
- 2.7 Trunk Release
- 2.8 Valet Mode
- 2.9 Remote Control Button Hold

### 3.11 Cold/Hot Start Timer

A timer can be set to remote start the car. Once activated, the vehicle will remote start automatically. The timer can be set to start every 1, 2, 4, or 6 hours. However, a temperature constraint can also be added so that if the temperature reaches a certain level, the timer will start. There are 3 temperature constraints: HOT, COLD, HOT & COLD. If HOT is selected, the timer will start if the temperature is hotter than a specific temperature. If COLD is selected, the timer will start if the temperature is colder than a specific temperature. If HOT and COLD is selected, the timer will start if the temperature is hotter than a specific temperature or colder than another temperature. The engine will run for 5, 10, 15, 20, or 25 minutes.

1. Press and release  5 times.
2. Press and release .
3. You will hear 5 siren chirps and see 5 parking light flashes. The remote control will beep once and the BLUE LED will flash quickly. You are now in Cold/Hot Start Timer Programming Mode. Follow the chart below for programming options.
4. Press and release each button in the Button Sequence to enter the programming mode for the desired feature.
5. You will also hear 1 remote control beep to signify the first button in the sequence.
6. You will hear 2 remote control beeps to signify the second button in the sequence.
7. Press the appropriate button according to the option for the feature.
8. You will hear 3 remote control beeps to signify the third button press.
9. If programming for the feature is successful, you will see parking light flash(es) and remote control BLUE LED flash(es) according to the last button being pressed. You will also hear corresponding siren chirp(s) and remote control beeps. Refer to table below.

Button	Parking Light & LED Flash(es) / Chirp(s) / Beep(s)	Button	Parking Light & LED Flash(es) / Chirp(s) / Beep(s)
	1		4
	2		5
	3		

Alternatively, installing ZPASS TOUCH system will prevent accidental key lockouts.

### 3.9 Safety Relock (Rearm—101 A/AS)

(Hold down brake pedal. Press and release Function Button 4 times and then press and release Lock Button)



If the system is in the armed state and the system is disarmed but a door is not opened, the system will Safety Rearm automatically within 30 seconds.

Safety relock (rearm) ON

Vehicle	1 parking light flash & 1 siren chirp	Remote Control	1 BLUE LED flash & 1 beep
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Safety relock (rearm) OFF

Vehicle	2 parking light flash & 2 siren chirps	Remote Control	2 BLUE LED flashes & 2 beeps
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If safety relock (rearm) occurs, the BLUE LED on the remote control flash once and 1 beep will occur. Paging mode must be ON.

### 3.10 Ignition Lock

(Hold down brake pedal. Press and release Function Button 3 times and then press and release Remote Start Button)



Ignition Lock will lock the doors if the foot brake is pressed after the key is put into key cylinder and turned to the ON position and the engine is running. The doors will relock if a door is opened except for 302S with automatic transmission.

Ignition lock ON

Vehicle	1 parking light flash & 1 siren chirp	Remote Control	1 BLUE LED flash & 1 beep
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Ignition lock OFF

Vehicle	2 parking light flash & 2 siren chirps	Remote Control	2 BLUE LED flashes & 2 beeps
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## 2.1 Door Lock (Arm—101 A/AS) Press and release



### Successful Door Lock (Arm):

Vehicle	1 parking light flash & 1 siren chirp	Remote Control	1 BLUE LED flash & 1 beep
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### Failed due to open door:

Vehicle	3 parking light flash & 3 siren chirp	Remote Control	3 RED LED flashes & 3 beeps
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### Failed due to open trunk:

Vehicle	4 parking light flashes & 4 siren chirp	Remote Control	4 RED LED flashes & 4 beeps
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### Failed due to open hood:

Vehicle	5 parking light flashes & 5 siren chirp	Remote Control	5 RED LED flashes & 5 beeps
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### Failed due to KEY being on ON position:

Vehicle	6 parking light flashes & 6 siren chirp	Remote Control	Alternating RED/BLUE LED flashes and 6 beeps
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### Failed due to Remote Start already being on:

Vehicle	7 parking light flashes & 7 siren chirp	Remote Control	Alternating RED/BLUE LED flashes and 7 beeps
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Depending on installation method, vehicle, and programming of features, these indications may or may not occur.

If Zone Bypass has been programmed to be ON, an open door, hood, or trunk will be bypassed.

If Zone Bypass has been programmed to be OFF, an open door, hood, or trunk will trigger the system. An open hood or trunk will trigger the system immediately. An open door will trigger the system depending upon the Door Trigger Sensing programming. Either a delay of 45 seconds or no delay will occur before an open door will trigger the system.

If Zone Bypass has been programmed to No Arm, an open door, hood, or trunk will prevent the system from locking the doors and arming the system.


## 2.2 Door Unlock (Disarm—101A/AS) Press and release


Successful door unlock (disarm)			
Vehicle	2 parking light flashes & 2 siren chirps	Remote Control	2 BLUE LED flashes & 2 beeps
Unlock with warning trigger			
Vehicle	3 parking light flashes & 3 siren chirps	Remote Control	3 RED LED flashes & 3 beeps
Unlock with full trigger			
Vehicle	4 parking light flashes & 4 siren chirps	Remote Control	4 RED LED flashes & 4 beeps

## 2.3 Arm / Disarm Status (101 A/AS)

Status	Antenna Module LED
Armed Mode	Normal Flash
Disarmed Mode	No Flash
Triggered Alarm	Fast Flash

When the alarm is triggered...

 → The LOCK button will stop the siren temporarily. Fast LED flashes on the antenna module will confirm triggering of the system.

 → The first UNLOCK button press will stop the siren from sounding - 1 parking light / BLUE LED flash and 1 siren chirp / remote control beep will occur. Pressing the UNLOCK button again will disarm the system with either 3 or 4 parking light flashes and siren chirps depending on the type of trigger. Corresponding RED LED flashes and remote control beeps will occur. The LED on the antenna module will flash quickly.

Once the system is triggered and disarmed, the LED on the antenna module will stop flashing quickly.

The siren duration can be programmed through the User Programmable Options.

Remote control beep mute ON - Beeper OFF

Remote Control	1 BLUE LED flash & 1 beep
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All features of the system still function with remote control beep mute ON.

Remote control beep mute OFF - Beeper ON

Remote Control	2 BLUE LED flashes & 2 beeps
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## 3.7 Siren Mute (302 A/AS)

(Press and hold Function Button for 2 seconds and then press and release Lock Button)

Siren mute ON - Siren OFF

Vehicle	1 parking light flash & 1 siren chirp	Remote Control	1 BLUE LED flash & 1 beep
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All features of the system still function with siren mute ON.

Siren mute OFF - Siren ON

Vehicle	2 parking light flash & 2 siren chirps	Remote Control	2 BLUE LED flashes & 2 beeps
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## 3.8 Passive Lock (Arm—302 A/AS)

(Hold down brake pedal. Press and release Function Button 3 times and then press and release Lock Button)

Once a door is opened and closed and the system is not armed via the remote control, the system will automatically arm and lock the doors. The system will arm and lock the doors after 25 seconds of the last door, hood, or trunk closing. Every 5 seconds, 1 parking light flash and 1 siren chirp will occur. On the 5th occurrence, the system will arm and the doors will lock.

Passive lock (arm) ON

Vehicle	1 parking light flash & 1 siren chirp	Remote Control	1 BLUE LED flash & 1 beep
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Passive lock (arm) OFF

Vehicle	2 parking light flash & 2 siren chirps	Remote Control	2 BLUE LED flashes & 2 beeps
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**CAUTION:** If passive lock (arm) is ON, always carry the remote control and keys as there may be cases of getting the keys locked inside the car accidentally.



**NOTE:** Remote start reservation type can be changed through the User Programmable Options.

### 3.4 Temperature Status Press and hold for 2 sec





The interior temperature of the vehicle will be displayed as a series of LED flashes and beeps on the remote control.

Temperature	Remote Control LED
Less than or equal to -10°C (14°F)	2 BLUE LED flash & 2 beep
-9°C (16°F) to 0°C (32°F)	1 BLUE LED flashes & 1 beeps
1°C (34°F) to 10°C (50°F)	3 RED & BLUE LED flashes & 3 beeps
11°C (52°F) to 20°C (68°F)	1 RED LED flashes & 4 beeps
Greater than 20°C (68°F)	2 RED LED flashes & 5 beeps

### 3.5 Paging (302 A/AS) ~

(Press and hold Function Button for 2 seconds and then press and release Trunk Button)

Paging will alert the user when the alarm has been triggered. If the Remote Beep Mute is ON, the LED's on the 2-way remote control will blink alternatively. If the

Remote Beep Mute is OFF, the remote control will beep rapidly. Pressing , , or  will stop the alert on the remote control. Wait for 5 seconds and press  to find out the status of the vehicle.

Paging ON

Remote Control	1 BLUE LED flash & 1 beep
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Paging OFF

Remote Control	2 BLUE LED flashes & 2 beeps
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**NOTE:** If Paging is OFF, battery life will be extended.

### 3.6 Remote Control Beep Mute ~


(Press and hold Function Button for 2 seconds and then press and release Unlock Button)


## 2.4 Vehicle Status Press and release

The status of the vehicle will be displayed on the 2-way remote control. The following table describes the different situations. Please note the priority (top to bottom). If a status condition is met, any other conditions below it will not be checked. For example, if the remote start condition is displayed, door lock condition will not be shown.

Status	Remote Control
Large shock	Alternating BLUE and RED LED flashes 8 times & beeps 8 times
Warning shock	Alternating BLUE and RED LED flashes 7 times & beeps 7 times
Hood open	Alternating BLUE and RED LED flashes 6 times & beeps 6 times
Trunk open	Alternating BLUE and RED LED flashes 5 times & beeps 5 times
Trunk unlocked	BLUE LED flashes normally two times & beeps 2 times
Door unlocked	RED LED flashes fast 4 times & beeps 4 times
Door locked	RED LED flashes fast 3 times & beeps 3 times
Remote Start (with Key)	Alternating BLUE and RED LED flashes normally 3 times & beeps 3 times
Remote Start (with Remote Control)	Alternating BLUE and RED LED flashes fast & beeps 3 times

## 2.5 Panic (101 A/AS) Press and hold for 2 sec

If there is a potential threat, you can alert those around you by using this feature. The siren will sound for 2 minutes and the parking lights will flash. Press either 

or  to turn off panic mode. Alternatively, you can use the Z-PASS (if installed) to turn off the panic mode by entering your PIN code.


## 2.6 Remote Start Press and hold for 2 sec

Successful remote start:

Vehicle	3 parking light flashes & 3 siren chirps	Remote Control	3 BLUE LED flashes & 3 beeps
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### Failed remote start:

Reason for Failure	Vehicle	Remote Control
Key in key cylinder at ON position	5 parking light flash & 5 siren chirp	5 RED LED flashes & 5 x beeps
Open door	6 parking light flashes & 6 siren chirps	6 RED LED flashes & 6 beeps
Open hood and/or trunk	7 parking light flashes & 7 siren chirps	7 RED LED flashes & 7 beeps
Failed remote start reservation	8 parking light flashes & 8 siren chirps	8 RED LED flashes & 8 beeps

- If  is pressed for 2 seconds while remote start is on, remote start will turn off. You will see 2 BLUE LED blinks and 2 beeps for confirmation.
- After the system is disarmed and the door(s) is (are) opened after remote start, the key must be put into the key cylinder and turned to the ON position within 2 minutes or the engine will shut off.
- The default remote start engine running time is 15 minutes. The time can be changed through the User Programmable Options.

**CAUTION:** Do not use the remote start feature if the vehicle is in an enclosed area. Do not use the remote start feature where laws prohibit its usage. Do not turn the key to the Start position or else damage may be done to the starter motor. Ensure that the parking brake (emergency brake) is always engaged.

## 2.7 Trunk Release Press and hold for 2 sec

Trunk release will unlock the door(s) and disarm (302A / 302AS) the system.

Vehicle	Remote Control
2 parking light flashes & 2 siren chirps	2 BLUE LED flashes & 2 beeps


**NOTE:** On manual transmission vehicles, trunk release will turn off remote start reservation.

## 2.8 Valet Mode

Press and hold Function button for 2 seconds and then press and release Remote Start button

- Valet mode ON will turn off the alarm feature on 101A and 302AS models. The siren will not sound.
- Valet mode ON will turn off the remote start feature on 101S and 101AS models.


## 3.2 Remote Control Registration

1. Insert the key into the key cylinder and turn to the ON position (engine is OFF).
2. Press brake pedal 4 times. On the 4<sup>th</sup> time, hold down the brake pedal.
3. 3 parking light flashes and 3 siren chirps will confirm remote control programming mode. The LED on the antenna module will also be flashing quickly.
4. Press and release  on the remote control to register.
5. After each remote control is added, there will be a confirmation of 2 parking light flashes and hear 2 siren chirps. On the remote, you will see 2 BLUE LED flashes and hear 2 beeps. You can add up to 3 2-way remote controls and 2 1-way remote controls per system.
6. Once the key is turned to the OFF position or 10 seconds have passed without adding a remote control, the system will exit remote control registration mode. The LED on the antenna module will cease to flash quickly.














**NOTE:** Each time a remote control is added, all remote controls must be re-registered to the system. Adding a remote control erases previously stored remote controls from the system.

## 3.3 Remote Start Reservation

Manual transmission vehicles require remote start reservation in order to ensure that the vehicle is properly prepared for remote start. There are 2 remote start reservation modes: automatic and manual. Please note that automatic and manual do not refer to the transmission type. Rather, automatic and manual refer to the type of remote start reservation.








- A) Automatic Remote Start Reservation (Default)
  - 1) Before turning off the engine, put the transmission into Neutral. Ensure that the parking brake (emergency brake) is engaged. Take foot off the brake pedal.
  - 2) Turn the key to the OFF position. The engine should still be running.
  - 3) Exit the vehicle within 2 minutes.
  - 4) Once the last door is closed, the engine will turn off.
  - 5) Lock (arm) the system. Remote start is ready to be used.
- B) Manual Remote Start Reservation
  - 1) Before turning off the engine, put the transmission into Neutral. Ensure that the parking brake (emergency brake) is engaged. Take foot off the brake pedal.
  - 2) Press  for 2 seconds.
  - 3) Turn the key to the OFF position. The engine should still be running.
  - 4) Exit the vehicle within 2 minutes.
  - 5) Once the last door is closed, the engine will turn off.
  - 6) Lock (arm) the system. Remote start is ready to be used.



Feature	Button Combination	Options		
				
Diesel warm up time	 → 	30 sec	15 sec	7.5 sec
Siren sound time	 → 	30 sec	70 sec	100 sec
Turbo timer run time	 → 	1 min	2 min	5 min
Remote start reservation	 → 	Automatic	Manual	
Remote start run time	 → 	15 min	5 min	25 min

#### Default values.

For example, if siren sound time needs to be changed to 100 seconds, the following procedure would be used.

1. Press and release  3 times.
2. Press and release .
3. You will see 1 parking light and 1 remote control BLUE LED flash. You will also hear 1 siren chirp and 1 remote control beep. You are now in User Programming Mode. The remote control BLUE LED will flash quickly to signify that you are in programming mode.
4. In order to access siren sound time, press and release  . 1 remote control beep will occur.
5. Press and release  . 2 remote control beeps will occur.
6. The siren sound time of 100 seconds is under  . So, press and release  . 3 beeps from the remote control will occur.
7. Since  is pressed as the last button and programming is successful, 3 parking light and remote control BLUE LED flashes will occur. Also, 3 siren chirps and remote control beeps will occur.
8. The siren sound time is now changed to 100 seconds.

#### Valet mode ON

Vehicle	1 parking light flash & 1 siren chirp	Remote Control	1 BLUE LED flash & 1 beep
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#### Valet mode OFF

Vehicle	2 parking light flash & 2 siren chirps	Remote Control	2 BLUE LED flashes & 2 beeps
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#### Valet mode without remote control (Emergency shut off)


1. Insert the key into the key cylinder and turn to the ON position.
2. Within 3 seconds, press the brake pedal brake 6 times. On the 6<sup>th</sup> press, hold down the brake pedal.
3. 1 parking light flash and 1 siren chirp will confirm operation.

**NOTE:** This feature can be used to turn off the alarm with the key if the system has been triggered.

**NOTE:** Valet mode can only be turned off via the remote control.

### 2.9 Remote Control Hold Button 0.5 sec x 3 Times

Press and release  3 times to engage the remote control 'Hold' mode. You will see one RED LED flash and hear 1 BEEP on the remote as confirmation. Any button presses will be ignored.



Press and release  3 times to exit remote control "Hold" mode. You will see 2 RED LED flashes and hear 2 BEEPS on the remote as confirmation.






## 3.SECONDARY FEATURES

- 3.1 User Programmable Options
- 3.2 Remote Control Registration
- 3.3 Remote Start Reservation
- 3.4 Temperature Status
- 3.5 Paging (101 A/AS)
- 3.6 Remote Control Beep Mute
- 3.7 Siren Mute (101 A/AS)
- 3.8 Passive Lock (Arm—101 A/AS)
- 3.9 Safety Relock (Rearm—101 A/AS)
- 3.10 Ignition Lock
- 3.11 Cold Start Timer
- 3.12 Turbo Timer
- 3.13 Convenience Run
- 3.14 Aux Outputs
- 3.15 Shock Sensor (101 A/AS)
- 3.16 Shock Sensor Sensitivity (101 A/AS)
- 3.17 Shock Sensor ON/OFF (101 A/AS)
- 3.18 Z-PASS TOUCH

### 3.1 User Programmable Options



1. Press and release  3 times.
2. Press and release .
3. You will see 1 parking light and 1 remote control BLUE LED flash. You will also hear 1 siren chirp and 1 remote control beep. You are now in User Programming Mode. The remote control BLUE LED will flash quickly to signify that you are in programming mode. Follow the chart below for programming options.
4. Press and release each button in the Button Sequence to enter the programming mode for the desired feature.
5. You will also hear 1 remote control beep to signify the first button in the sequence.
6. You will hear 2 remote control beeps to signify the second button in the sequence.
7. Press the appropriate button according to the option for the feature.
8. You will hear 3 remote control beeps to signify the third button press.
9. If programming for the feature is successful, you will see parking light flash(es) and remote control BLUE LED flash(es) according to the last button being pressed. You will also hear corresponding siren chirp(s) and remote control beeps. Refer to table below.

Button	Parking Light & LED Flash(es) / Chirp(s) / Beep(s)
	1
	2
	3
	4
	5

10. You can program more features if desired.
11. If you are finished programming, wait until you exit programming mode. The remote control BLUE LED will stop flashing quickly.