www.signca.com

BiSRO Co.,Ltd

SBC High Tech Center 3F, 932 Wongok-Dong,
Danwon-Gu, Ansan-Si, Gyeonggi-Do, Korea

+82-31-491-0226

SIGNCA
Auto Security System

ALD-401 / ASF-301

User Manual

Before you commence using your system, please read completely.

SIGNCA
Auto Security System

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 hard in order to research, design, and build next generation products. We would not expect anything less since we use our products in our own vehicles.

MIC Mark

▸Remote Control
FCC ID:
MIC Mark:

▸Antenna Module
FCC ID:
MIC Mark:

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 Emergency Brake (either side hand brake or foot 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.

Contents

- Introduction
  1. System Contents 8
  2. Remote Control Button Layout 9
  3. Remote Control Battery Replacement 10
  4. Remote Control Button Introduction 11

- Primary Features
  1. Lock (Arm) / Unlock (Disarm) 13
  2. Remote Start 13
  3. Trunk Release 14
  4. Status (ALD-401) 14
  5. Panic 14
  6. Siren Mute ON/OFF (ALD-401) 14
  7. Valet Mode ON/OFF 15
  8. Remote Control Beep ON/OFF (ALD-401) 15
  9. Ignition Lock ON/OFF 15
  10. Paging ON/OFF 16
  11. Passive Arm ON/OFF 16
  12. Safety Rearm ON/OFF 16
  13. Cold Start ON/OFF .....
  14. Turbo Timer ON/OFF .....
  15. Temperature Status (ALD-401) .....

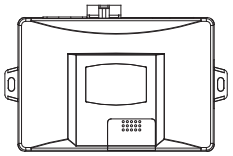
- Secondary Features
  1. User Option Programming 18
  2. Program Remote Control to System 18
  3. Remote Start Reservation 19
  4. Option 1 / Option 2 Input 19
  5. Aux 1 Output 19
  6. Aux 2 Output 19
  7. Shock Sensor 20
  8. Shock Sensor Sensitivity 20

▸ Warranty Card 21

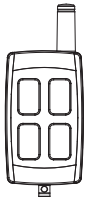
Introduction

1. System Contents 8
2. Remote Control Button Layout 9
3. Remote Control Battery Replacement 10
4. Remote Control Button Introduction 11

1. System Contents



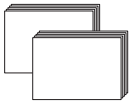
Control Module / “Brain”



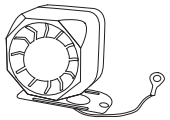
Remote Control x 2
(1 x 2-way & 1 x 1-way)

Antenna
Module

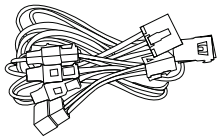
Shock Sensor
202A / 202AS



Manuals
User / Installation



Siren
202A / 202AS



Wiring Harness

Stickers

2. Remote Control Button Layout

2-way Remote Control

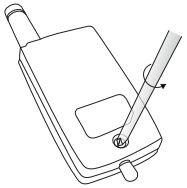
▸Specifications

Radiation	±20ppm/year
Dimensions	28×12×68.7mm

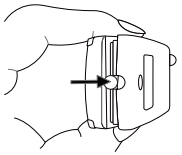
Temp.	-40℃ ~ +80℃
Weight	15g (without battery)

3. Remote Control Battery Replacement

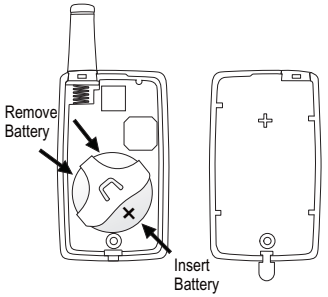
① Use a 3mm Philips screwdriver to remove the screw on the rear panel of the remote control.



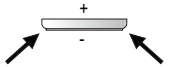
② Use a hand to hold the front panel. Use your free hand to gently pull the rear panel off by prying the key holder.



③ Once the rear panel is removed, you will see the PCB and the battery.
Follow the direction of “Remove Battery” to safely remove it. Slide the new battery in the direction of “Insert Battery”. Use a 3V CR2032 battery only.



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



4. Remote Control Button Introduction

Item	Button(s)	Duration	Description
1	🔒	0.5 sec	Lock (Arm)
2	🔓	0.5 sec	Unlock (Disarm)
3	🚗	0.5 sec	Status
4	🔒 –	2 sec	Panic
5	💡 –	2 sec	Remote Start ON/OFF
6	🚗 –	2 sec	Trunk Release
7	🚗 '''	4 sec	Siren ON/OFF
8	🔒 + 🔓	0.5 sec	Remote Control Addition (Normal)
9	🔒 + 💡	0.5 sec	Remote Control Addition (Door lock after Remote Start)
10	🔓 + 🚗	0.5 sec	Aux 2 Output
11	💡 + 🚗	0.5 sec	Aux 1 Output
12	💡 + 🚗 –	2 sec	User Programmable Options
13	🔒 + 🔓 '''	4 sec	Passive Lock (Arm) ON/OFF
14	🔒 + 💡 '''	4 sec	Valet Mode ON/OFF
15	🔓 + 💡 '''	4 sec	Safety Re-lock (Rearm) ON/OFF
16	🔒 + 🚗 '''	4 sec	Ignition Lock ON/OFF
17	🔓 + 🚗 '''	4 sec	Cold Start Timer ON/OFF
18	💡 + 🚗 '''	4 sec	Turbo Timer ON/OFF

Note
- (0.5 sec) 1 Remote Control LED Blink
- (2 sec) 2 Remote Control LED Blinks
- ''' (4 sec) 3 Remote Control LED Blinks
- \+ Press both buttons at the same time for the specified duration.

Main System Features

1. Lock (Arm) / Unlock (Disarm) 13
2. Remote Start 13
3. Trunk Release 14
4. Status (ALD-401) 14
5. Panic 14
6. Siren Mute ON/OFF (ALD-401) 14
7. Valet Mode ON/OFF 15
8. Remote Control Beep ON/OFF (ALD-401) 15
9. Ignition Lock ON/OFF 15
10. Paging ON/OFF 16
11. Passive Arm ON/OFF 16
12. Safety Rearm ON/OFF 16
13. Cold Start ON/OFF
14. Turbo Timer ON/OFF

1. Door Lock / Arm

1) Door Lock / Arm 0.5 sec

·Successful Door Lock / Arm

Vehicle	1 parking light flash & 1 siren chirp	Remote Control	1 blink & 1 beep

·Failed Door Lock / Arm from Open Trunk, Hood, and/or Door

Vehicle	4 parking light flashes & 4 siren chirps	Remote Control	1 blink & 1 beep

·If the Trunk and/or Hood is open while Arming (202A / 202AS), the siren will sound immediately.

·If the Door is open while arming (202A / 202AS), the siren will sound after 45 seconds.

Note: Since the Doors cannot be locked and the system cannot be armed (202A / 202AS) while the Trunk and/or Hood is open, ensure that the Trunk and Hood are closed before Locking / Arming

2) Door Unlock / Disarm 0.5 sec

·Successful Unlock / Disarm

Vehicle	2 parking light flashes & 2 siren chirps	Remote Control	1 blinks & 2 beeps

3) Arm / Disarm Status (202A / 202AS)

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

※ After the alarm is triggered...

① Button → The siren will stop. 5 siren chirps and fast LED flashes on the Antenna Module will confirm button press.

② Button → The siren will stop. The system will be disarmed with 2 parking light flashes & 2 siren chirps.

③ Door Open and Closed → The LED on the Antenna Module will stop flashing quickly.

④ Button → The system will Arm normally.

·Siren duration can be programmed through the User Programmable Options on page 18.

2. Remote Start

2 sec

·Successful Remote Start

Vehicle	5 parking light flashes & 5 siren chirps	Remote Control	1 blink & start tone

·Failed Remote Start

Vehicle	Remote Control	Reason for Failure
1 parking light flash & 1 siren chirp	XXX	Key is in key cylinder at ON position
3 parking light flashes & 3 siren chirps	XXX	Door is open
4 parking light flashes & 4 siren chirps	XXX	Trunk and/or hood is open
7 parking light flashes & 7 siren chirps	XXX	Remote start reservation has failed

·If the button is pressed for 2 seconds while Remote Start is ON, Remote Start will turn OFF.

·After the door(s) is(are) open after Remote Start, the key must be put into the key cylinder within 2 minutes or the engine will turn OFF.

·The default Remote Start engine running time is 5 minutes. The time can be changed through the User Programmable Options on page 18.

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 prevent its usage. Do not turn the key to the Start position or else damage may be done to the starter motor.

3. Trunk Release

2 sec

Vehicle	2 parking light flashes & 2 siren chirps	Remote Control	1 blink & 1 beep

·Trunk release will unlock the door(s) and disarm (202A / 202AS) the system.

Note: On manual transmission vehicles, Trunk Release will turn OFF remote start reservation.

4. Status (ALD-401)

0.5 sec

Status	Remote Control LED

5. Panic

2 sec

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

6. Siren Mute ON/OFF (ALD-401)

4 sec

·Siren Mute ON - Siren OFF

Vehicle	1 parking light flash & 1 siren chirp	Remote Control	1 blink & 1 beep

·All features of the system still function with siren Mute ON.
·Siren Mute OFF - Siren ON

Vehicle	1 parking light flash & 1 siren chirp	Remote Control	2 blinks & 2 beeps

7. Valet Mode ON/OFF

+ 4 sec

·ON

Vehicle	1 parking light flash & 1 siren chirp	Remote Control	1 + blink & 1 beep

·OFF

Vehicle	2 parking light flashes & 2 siren chirps	Remote Control	2 + blinks & 2 beeps

·When Valet Mode is ON, the siren will be OFF and no features except for lock and unlock will work.

▸ Valet Mode via Key (Emergency Shut Off)
① Open driver's side door.
② Insert the key and turn to the ON position. Within 3 seconds, turn the key between ACC↔ON 3 times and on the third time leave the key in the ON position. 1 parking light flash and 1 siren chirp will confirm the operation.
※ This feature can be used to turn off the alarm with the key if the system has been triggered.
※ Valet Mode can only be turned off via the remote control.

Note: Whenever the vehicle is being lent to an individual, turning Valet Mode ON is suggested.

8. Ignition Lock ON/OFF

+ 4 sec

·Ignition Lock ON - The doors will lock after 20 seconds of driving or the foot brake is pressed.

Vehicle	1 parking light flash & 1 siren chirp	Remote Control	1 + blink & 1 beep

·When the key is turned to the OFF position, the doors will unlock.
·Ignition Lock OFF

Vehicle	2 parking light flashes & 2 siren chirps	Remote Control	2 + blinks & 2 beeps

9. Passive Arm ON/OFF

+ 4 sec

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

Vehicle	1 parking light flash & 1 siren chirp	Remote Control	1 + blink & 1 beep

·OFF

Vehicle	2 parking light flashes & 2 siren chirps	Remote Control	2 + blinks & 2 beeps

·Upon Passive Arming, the button will blink once and 1 beep will sound.

Caution: If Passive Arm is ON, always carry the remote control.

10. Safety Rearm ON/OFF

+ 4 sec

·If the doors are unlocked (system disarmed) and a door is not opened, the doors will lock (system rearm) after 30 seconds automatically.

·Safety Rearm ON

Vehicle	1 parking light flash & 1 siren chirp	Remote Control	1 + blink & 1 beep

·Safety Rearm OFF

Vehicle	2 parking light flashes & 2 siren chirps	Remote Control	2 + blinks & 2 beeps

·If Safety Rearm occurs, the button will blink once and 1 beep will sound.

11. Cold Start Timer ON/OFF

+ 4 sec

·A timer can be set to remote start the car.

·Cold Start Timer ON

Vehicle	1 parking light flash & 1 siren chirp	Remote Control	1 + blink & 1 beep

·Cold Start Timer OFF

Vehicle	2 parking light flashes & 2 siren chirps	Remote Control	2 + blinks & 2 beeps

※ The timer can be set through the User Programmable Options on page 18.

12. Turbo Timer ON/OFF

+ 4 sec

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

·Turbo Timer ON

Vehicle	1 parking light flash & 1 siren chirp	Remote Control	1 + blink & 1 beep

·Turbo Timer OFF

Vehicle	2 parking light flashes & 2 siren chirps	Remote Control	2 + blinks & 2 beeps

※ The duration for idling can be specified through the User Programmable Options on page 18.

Caution: Please ensure that the vehicle is Park (automatic transmission) or Neutral (manual transmission). Also, ensure that the hand brake or foot brake is engaged..

13. Temperature Status (ALD-401)

2 sec

·The interior temperature of the vehicle will be displayed as a series of LED's on the remote control.

Temperature	Remote Control LED
Less than or equal to -10 °C (14 °F)	1 blink & 1 beep
-9 °C (16 °F) to 0 °C (32 °F)	1 + blink & 1 beep
1 °C (34 °F) to 10 °C (50 °F)	1 + + blink & 1 beep
11 °C (52 °F) to 20 °C (68 °F)	1 + + + blink & 1 beep
Greater than 20 °C (68 °F)	2 + + + blinks & 2 beeps

메뉴구성

1. User Option Programming 18
2. Program Remote Control to System 18
3. Remote Start Reservation 19
4. Option 1 / Option 2 Input 19
5. Aux 1 Output 19
6. Aux 2 Output 19
7. Shock Sensor 20
8. Shock Sensor Sensitivity 20

1. User Programmable Options

+ 2 sec

·When you enter programming mode by holding + for 2 seconds, the +LED's will blink 1 time and 1 beep will be heard. Follow the chart below for programming the options.

Feature	Button Combination	Options		
		🔒	🔓	💡
Remote Start Run Time	+ (2 sec) → → → Option	5 min	15 min	25 min
Diesel Warm Up Time	+ (2 sec) → → → Option	15 sec	10 sec	5 sec
Siren Sound Time	+ (2 sec) → → → Option	30 sec	70 sec	100 sec
Turbo Timer Time	+ (2 sec) → → → Option	2 min	5 min	10 min
Remote Start Reservation	+ (2 sec) → → → Option	Automatic	Manual	
Cold Start Timer Time	+ (2 sec) → → → Option	1 hour	2 hours	3 hours

🔒 → Default Values.

※ The Button Combination includes the initial buttons to get into User Programmable Options.

※ Each button must be pressed within 5 seconds of each other or else User Programmable mode will terminate.

2. Program Remote Control to System

① Close driver's side door. Insert key and turn to the ON position.
② Turn the key ACC↔ON 4 times within 3 seconds. On the 4th time, leave the key in the ON position.
③ 3 parking light flashes and 3 siren chirps will confirm remote control programming mode.
④ Press the correct button combination for 0.5 seconds as outlined below.
▸ Typical vehicles
🔒 + 🔓
▸ Vehicles that unlock doors after remote start
🔒 + 💡
⑤ After each remote control is added, there will be a confirmation of 2 parking light flashes and 2 siren chirps. You can add up to 3 remote controls per system.
⑥ Once the key is turned to the OFF position or 10 seconds without adding a remote control passes, the system will exit remote control programming mode.
※ Each time a remote control is added, all remote controls must be reprogrammed to the system. Adding a remote control erases previously stored remote controls from the system.

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.

1) Automatic Remote Start Reservation (Default)

① Before turning off the engine, put the transmission into Neutral. Ensure that the hand brake or parking brake engaged. Take your foot off the foot brake.
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. Lock (Arm) the system. Remote start is ready to be used.

2) 수동예약 (사용자 옵션설정)

① Before turning off the engine, put the transmission into Neutral. Ensure that the hand brake or parking brake is engaged. Take your foot off the foot brake.
② Press the 💡 button 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. Lock (Arm) the system. Remote start is ready to be used.

※ Remote Start Reservation can be changed through the User Programmable Options on page 18.

4. Option 1 / Option 2 Input

·Additional sensors can be added to the system using Option 1 and/or Option 2 input(s).
·No additional programming is required.
·When the sensor(s) is(are) triggered, the parking lights will flash and the siren will sound.

5. Aux 1 Output

·Aux 1 Output can be used to control other devices. For example, window modules can be added to roll up or roll down windows.
💡 + (0.5 sec) will activate Aux 1 Output. 2 parking light flashes and 2 siren chirps will confirm output. The remote control will blink 2 times and beep 2 times.

6. Aux 2 Output

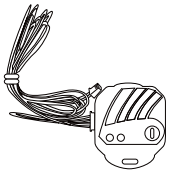
·Aux 2 Output can be used to control other devices. For example, window modules can be added to roll up or roll down windows.
🔓 + (0.5 sec) will activate Aux 2 Output. 2 parking light flashes and 2 siren chirps will confirm output. The remote control will blink 2 times and beep 2 times.

7. Shock Sensor

·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. Hard shocks will result in the system being triggered. Sustained light shocks will also trigger the system.

8. Shock Sensor Sensitivity

·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. Test the setting by arming the system and tapping the shock sensor.



Warranty Card

This warranty card must be completed and mailed to be eligible for warranty coverage.

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

The Control Module has a limited lifetime warranty. All other parts have a limited 1 year warranty. For full details, please visit www.zenesisalarms.com.

Mail this card to:

Zenesis Alarms
XXXXXXXXX

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.
(2) This device must accept any interference received.
Including interference that may cause undesired operation.

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Product Information

Car Alam system
M/N: MB-SFA
FCC ID:WJ3MB-SFA

One-Way Remote control
M/N: ASF-301
FCC ID:WJ3ASF-301

Two-Way Remote control
M/N:ALD-401
FCC ID:WJ3ALD-401

This is a manual for integrating