





## AL-V10 CAR ALARM SYSTEM MANUAL

Button	time	Functions	Conditions
1 	0.5 secs	Arm and lock doors Car finder with sound Temporarily stop alarm from sounding Remote lock doors	Alarm is disarmed Alarm is being armed Alarm is sounding While driving
1	2 secs	Close window	Alarm is armed
2 	0.5 secs	Disarm Remote unlock doors Stop alarm from sounding	Alarm is being armed While driving Alarm is sounding
3 	0.5 secs	Silent arm Car finder without sound Anti car-hijacking	Alarm is disarmed Alarm is being armed While driving
3	2 secs	Leave anti car-hijacking	While in ACJ
1+2 or 4 	0.5 secs	Panic	Anytime
2+3	0.5 secs	Open trunk or Engine start	Disarmed

### FEATURES

#### CODE LEARNING

- Turn ACC on, press override Switch 8 times within 8 seconds, the siren will chirp 2 times to enter code learning mode. Press any button on the transmitter within 8 seconds. The siren will chirp accordingly for confirmation as soon as the code is learned. For example, the first transmitter is learned, the siren will chirp once. The second transmitter is learned, the siren will chirp twice. If over 8 sec or turn ignition OFF, the system will exit code learning mode automatically.
- If one of the transmitters is to be programmed, the other transmitters must be reprogrammed at the same time. Up to 3 or 6 (See Function Selection 15) transmitters can be learned per module.

#### ARMING

- Press button 1, the siren will chirp once or no chirp (See Function Selection 10), the parking light and dome light will flash once. The door will be locked at 0.5sec or 3.5 sec (See Function Selection 1). The LED will flash slowly. If the door is not closed, the siren will chirp 5 times for warning and LED flashes quickly. Disables engine starter if starter killer Relay connected
- After 3 seconds, the system is armed. All the sensors are armed except current sensor. If the alarm is triggered within 3 sec, the siren will chirp twice and the circuit is by-passed till the triggering source is stable. After 20 sec current sensor are armed. If the current sensor is triggered while arm, the system will bypass till the current is stable for 20 sec.
- Window Closing while arming (If your car has installed window closer module): If press and hold button 1 for 2 sec under disarm mode, the car window keep rolling up till you leave the button or the window rolling up to close directly.(See Function Selection 11)
- When the system is armed, there's a 300mA negative output to disable engine. AUTO ARM AFTER TRIGGERING: If the alarm is triggered, the siren shall sound 30 sec to warn, then, the system returns arming again (SEE SELECTION 3). If the triggering signal is existed still, the system will bypass this zone till it returns to normal status.

#### DISARMING

- Press button 2. The siren will chirp 2 times or no chirp (See Function Selection 10). If siren chirp 3 times, it means the alarm has been activated. Parking lights and dome light will flash 2 times, if flash 3 times which indicates the alarm has been activated. (See Function Selection 8). After flashes, the dome light will keep ON 30 sec max or turn ignition ON the dome light is OFF. Doors will unlock at 0.5sec or 3.5sec (See Function Selection 1).
- LED is off and enables engine if starter killer Relay connected.

#### SILENT ARMING

- Press button 3. Parking light will flash once. Door will be locked at 0.5sec or 3.5 sec (See Function Selection 1). LED will flash slowly. If door is not closed, the siren will chirp 5 times for warning and LED flashes quickly. Disables engine starter if starter killer Relay connected.
- After 3 seconds, the system is armed. All the sensors are armed except current sensor. If the alarm is triggered within 3 sec, the siren will chirp twice and the circuit is by-passed till the triggering source is stable. After 20 sec current sensor is armed. If the current sensor is triggered while arm, the system will bypass till the current is stable for 20 sec.

#### EMERGENCY DISARMING (DEFAULTED VALUE: PRESS SWITCH 5 TIMES)

- Turn ignition ON. Press valet switch at set-up value, siren will chirp 4 times which indicates the system is disarmed. This process must be finished within 8 seconds.
- Replace Set-up Emergency Disarming value:
  - Turn ignition ON. After press valet switch 5 times within 8 sec. Siren chirp 2 times which indicates the system is in replace set-up mode
  - Press the numbers (1-15max) as the value you prefer within 8 sec. ( If the number is over 15, the system will return back to the original set-up value)Then, siren will chirp the numbers replaced for confirmation.

#### AUTOMATIC DOOR UNLOCK

When the ignition turn from ON to OFF, doors will automatically unlock.

#### AUTOMATIC DOOR LOCK (SEE FUNCTION SELECTION 2)

When the ignition turn from OFF to ON, doors will lock after 10 sec.

#### VALET

- Turn ignition ON, within 8 sec press and hold valet switch 3 sec once. LED will be constantly ON ;
- Leave valet mode: Turn ignition ON, press and hold valet switch 3 sec once, LED will be OFF. In Valet mode, except arming function, the others remain the same.

#### PANIC

Press button 1+2 or button 4, the siren will sound, parking lights and dome light will flash for 30 seconds. Press button 1 or 2 to stop the panic.

#### CAR FINDER

- The system is armed. Press button 1, the siren will chirp once, parking lights and dome light will flash 10 sec.
- Press button 3: car finder in silent mode, parking lights and dome light will flash 10 sec.
- Press button 2 to stop car finder.

#### DOOR OPEN WARNING

In disarming mode, if the door is opened, the parking light shall flash for 30 seconds to remind other cars.

#### ANTI CAR-HIJACKING (SEE FUNCTION SELECTION 5)

- When ACC ON and the doors are closed, press the button 3 for 0.5 seconds and open the door within 8 seconds to activate anti car-hijacking mode. If the door is not opened within 8 sec, the mode is exit.
- Close the door to start the 30 seconds countdown. The LED flashes quickly. When the 30 sec is up, siren will chirp every 1 sec. After 20 seconds, siren sounds continuously, also parking lights will continuously flash and engine will stop (if starter killer relay connected). Siren will stop to sound & parking lights will stop to flash as long as the ignition turns OFF. After ignition is OFF, engine disables to start again (if starter killer relay connected).
- Disarm the anti car-hijacking: Press button 3 for two seconds when ignition is ON. The parking lights and siren will act 4 times for confirmation. Use the emergency disarming way can also exit ACJ.

#### 2-STAGE SHOCK SENSOR

- If car is lightly vibrated once, siren will sound for 2 seconds and the parking light shall flash 2 times.
- If car receives a heavy shock, siren will sound for 30 seconds and parking lights, dome light will flash for 30 seconds

#### OPEN TRUNK OR ENGINE STARTER

Only in disarming mode, press 2+3 (with 0.5 sec 300mA negative output) to open trunk or connect to engine starter module to start engine.

#### DOOR LOCK CONTROL

While driving: press button 1 to lock doors. The doors can be locked. Press button 2 to unlock doors. The doors can be unlocked.

#### AUTOMATIC REARMING (SEE FUNCTION SELECTION 3)

After disarm, the system will be re-armed automatically or re-arm with door lock (See Function 4) after 30 sec if the ignition does not turn ON or the door is not opened.

#### PASSIVE ARMING (SEE FUNCTION SELECTION 6)

- Turn ignition OFF and close the last door. After 30sec, the system will arm automatically or arm with door lock automatically (See Function Selection 7) or arm with ACC/FULL (See Function Selection 14)
- If one of the doors is opened during the above 30sec, the system will postpone the arming till the last door is closed.

#### MEMORY FUNCTION

The system can memorize the conditions although the power is cut off, when the power is on, it shall recover to the state before power cut off.

#### CURRENT SENSOR (SEE FUNCTION SELECTION 12)

Alarm will be activated by voltage drop such as dome light, or ignition lights etc. Current sensor will be bypass for 20 secs detecting while arming till the current is stable for 20 sec.

#### OTHER TRIGGER SENSOR

Other trigger sensor can be added which input is negative signal.

#### PARKING LIGHTS EMERGENCY FLASH

In armed mode, parking lights and dome light will flash for 30 seconds if triggered.

#### SIREN EMERGENCY SOUND

In armed mode, siren or car horn (See Function Selection 13) will sound for 30 seconds if triggered.

#### PAGER OUTPUT

There's a pager output to warn the car driver if it is triggered.

#### FUNCTION SELECTION

Please follow the procedures listed below to programme the functions:

- Disarm the system, turn ignition from OFF to ON. Press Valet switch 6 times within 10 sec. The siren shall chirp 3 times and parking light shall flash 2 times.
- Press the switch the function numbers you would like to change within 20sec. Every press will have one siren chirp for pressing confirmation. Holding the switch for 3 seconds, the function shall be selected in the 2 options according the table list below.  
Remarks: when press the last time of the function number, you could not release the switch, and need to hold it for 3 seconds to proceed the correct programming.

**For example, if you want to programme item 1, then after “step a” described above, you can press and hold switch for 3 sec, and hear one chirp, then the 0.5 seconds are selected; if 2 chirps are heard, then the 3.5 seconds are selected. If you want to programme item 6, then after “step a” described above, you can press 6 times and hold switch on j**

**the last press for 3 sec, and if one chirp is heard, then the last door arming is on, if hear 2 chirps, then the last door arming is off.**

- c. Once finish the program, turn engine key to off, the system will exit the programming mode at once. Or, 20 seconds later the program mode shall exit automatically.

	PRE SET VALUE( 1 CHIRP)	VARIABLE SET-UP (2 CHIRPS)
1.LOCK/UNLOCK TIMER	0.5 SEC	3.5 SEC
2.IGNITION ON WITH DOOR LOCK	ON	OFF
3. AUTO RE-ARM	ON	OFF
4.AUTO RE-ARM WITH LOCK	ON	OFF
5. ANTI-CARJACKING	ON	OFF
6. PASSIVE ARMING	ON	OFF
7. PASSIVE ARMING WITH LOCK	OFF	ON
8. DOME LIGHT	SAME AS PARKING LIGHT + DISARM OUTPUT	SAME AS PARKING LIGHT
9. SILENT ARM WITH SHOCK SENSOR	SIREN/LIGHT	Light only
10.ARM/DISARM WITH CHIRP	ON	OFF
11. WINDOW CLOSING	WINDOW ROLLING UP TILL LEAVE BUTTON 1	WINDOW ROLLING UP TO CLOSE DIRECTLY
12. CURRENT SENSOR	ON	OFF
13. SOUND	SIREN	CAR HORN
14. LAST DOOR ARMING ACC/FULL	FULL	ACC
15.LEARNED TRANSMITTER PER MODULE	6	3
17. DEFAULT	YES	

#### 1. Lock/Unlock Timer

Pre-set: After press arm/disarm button on the transmitter, the door is locked/unlocked after 0.5 sec.

Variable:After press arm/disarm button on the transmitter, the door is locked/unlocked after 3.5 sec.

#### 2. Ignition ON with door lock

Pre-set: When the ignition turn from OFF to ON, doors will lock after 10 sec.

Variable: When the ignition turn from OFF to ON, door will not lock.

#### 3. Auto Re-arm

Pre-set: auto rearm funtions.

Variable: No auto rearm function

#### 4. Auto Re-arm with lock

Pre-set: Auto Re-arm without lock of the door;

Variable: Auto Re-arm with lock of the door

This feature has to be selected under the Auto Re-arm function is selected ON.

#### 5. Anti Car-hijacking

Pre-set: Anti car-hijacking works.

Variable: Delete anti car-hijacking feature.

#### 6. Passive arming

Pre-set: Turn ACC off and close the last door. After 30sec, the system will arm itself.

Variable: No passive arming.

#### 7. Passive arming with Door Lock

Pre-set: Passive arming without Door Lock.

Variable: Passive arming with Door Lock.

This feature has to be selected under the passive arming function is selected ON.

#### 8. Dome Light

Pre-set: the dome light flashes accompanying with parking light. Besides, in disarming the dome light will keep ON 30 sec max or turn ignition ON, the dome light is OFF.

Variable: the dome light flashes accompanying with parking light.

#### 9. Silent arm with Shock Sensor

Pre-set: In silent arming, if the shock sensor is triggered, both siren and parking light shall act to warn;

Variable: In silent arming, if the shock sensor is triggered, only parking light shall flash to warn;.

#### 10. Arm/Disarm with Chirp

Pre-set: Arm/Disarm will have chirp indication.

Variable: Arm/Disarm will not have chirp indication.

#### 11. Window Closing

Pre-set: Press and hold button 1 for 2 sec, the window is rolling up till leave the button in arming and silent arming mode.

Variable: Press and hold button 1 for 2 sec, the window is rolling up directly to close in arming mode. No this function is silent mode

#### 12. Current Sensor

Pre-set: current sensor is on.

Variable: delete this feature.

#### 13. Sound

Pre-set: siren output

Variable: car horn sounds 1 sec ON, 1 sec OFF, horn output

#### 14. Passive Arming ACC/FULL

Pre-set: passive arming with all sensors could activate alarm.

Variable: passive arming with only ignition activates alarm.

#### 15. Learned Transmitter per module

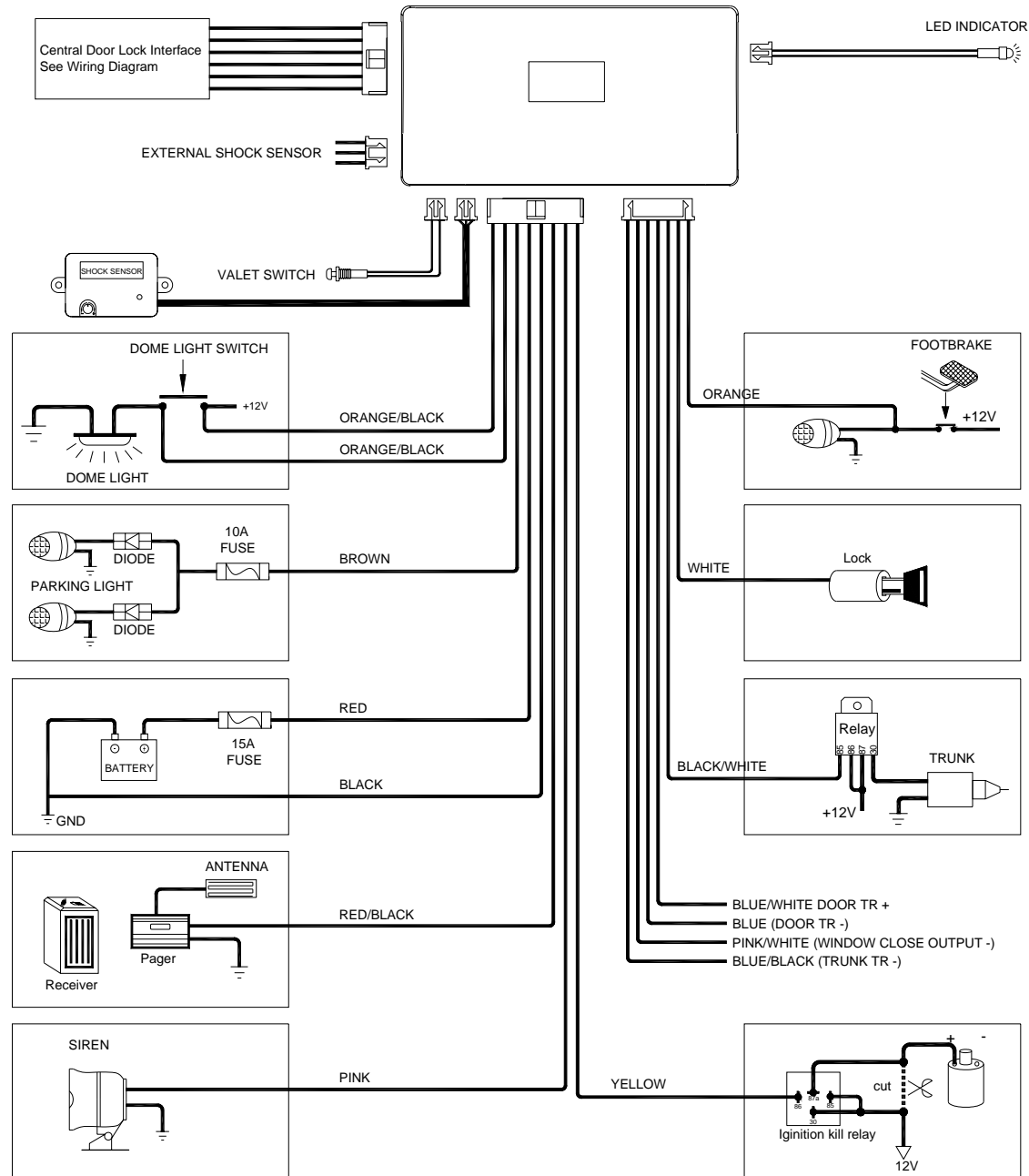
Pre-set: 6 pcs transmitters can be learned per alarm module.

Variable: 3 pcs transmitters can be learned per alarm module.

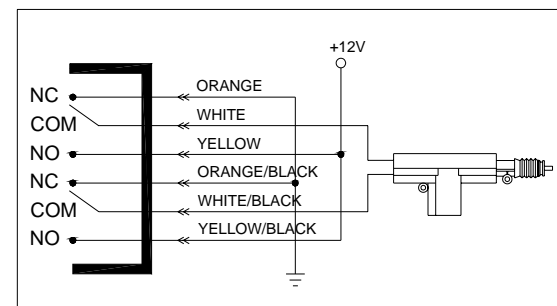
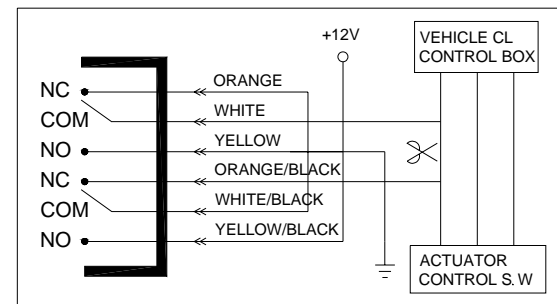
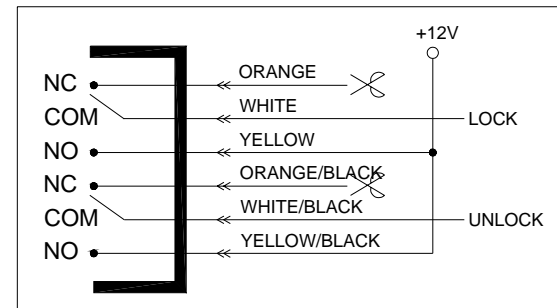
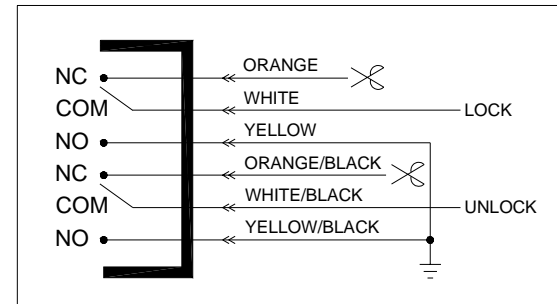
#### 17. Default

Pre-set: Return to the factory set-up.

# WIRING DIAGRAM



Central Door Lock Interface See Wiring Diagram



FCC REGULATORY 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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment"