

## Environment-Friendly Type (Start-Up Type) Car Alarm System

- Functional Description
- Environment-Friendly Type
  - Environment-Friendly Model I
  - Environment-Friendly Model II
- Start-Up Type
- \* Special Functional Options
  - \* Code-Scrolling, Learning Type
  - \* Roof Lamp Delay Function
  - \* Trunk-Opening Function
  - \* Turbo Charging (Delayed Engine-stopping and Heat Radiating Function)
  - \* Timed Startup Function
  - \* Preset Remote Control Startup Function

Note:  means the selected function is available \* means the optional functions

Please remember the following notes before using this product

- Roof lamp delay function: when the door is closed improperly, press the anti-theft locking key, the central-control lock closes. After 1 second, the horn gives off three beeping sound B1...B1...B1..., to warn of the improper closing of the car doors. The system has the function of remembering the previous status, which can extend the service life of the central-control lock.
- Instructions on emergent operations to be taken when remote controller is missing: with the door opened, use the original key to turn the power doorlock switch into ON position, press the functional service key (emergent release key) for 2 seconds, the turning lights flash twice, it is released.
- Don't forcibly throw the remote controller on the ground or put it under the effect of soaping or humidity or direct sunlight. Don't use it in a temperature above 60 °C. Should a failure is resulted from these causes, the Company won't take any liability.
- If the car owner failed to open the door and get in the car within 25 seconds after the system is released, the system will return to the anti-theft alarm status by resuming the anti-forgetting automatic locking.
- The antenna must be pulled out in the air; otherwise the receiving distance of the remote controller would be affected.

### Operational Description of the Universal Car Alarm System

- A: Anti-theft locking key **Ⓜ** (+); B: Anti-theft unlocking key **Ⓜ** (\*\*); C: Anti-theft mute key **Ⓜ** (\*\*\*) ; D: Car-seeking key **Ⓜ** (\*\*\*) (optional \* startup key **Ⓜ** ).

If the anti-theft system is triggered, the horn will make out big sound, and the car light will flash. The warning horn will automatically stop scaring in twenty seconds and return to the warning state after the anti-theft is triggered.

#### 3. Prompting to close the door

If the doors aren't closed perfectly, the car light will flash for 15 seconds. When the key is turned into ON position, the car light will flash for 30 seconds.

#### 4. Auto re-warning

After pressing the anti-theft unlocking key B, if the owner doesn't enter the car in 25 seconds, the anti-theft system will automatically re-lock and return to anti-theft state.

#### 5. Horn pause

When warning is triggered, the horn sounds loudly, press the anti-theft locking key A to pause, but the anti-theft system will remain in alert state.

#### 6. Triggering status identification function

Under the anti-theft condition, there are following two kinds warning if the anti-theft system is triggered:

- One is striking; it will sound intermittently. (For example: striking window, be struck by external force, etc.)
- Another is triggering, the horn will sound continuously. (For example: the doors are opened, the engine is started, etc.)

#### 7. Automation of central-controlled lock

In driving state, you can use the A key or B key to remotely control the locking or unlocking of central lock, but the anti-theft system won't be started.

A. Before a driving, close the door and turn the key to ACC-ON position, press down the brake pedal after 15 seconds, then the door will automatically lock. When getting off the car, pull out the ignition key, the door will automatically unlock, then the passengers may get off the car.

B. Note: the doors will not automatically lock and the turning light will flash unceasingly if the doors are not locked perfectly and the key does not turn to the ACC-ON position.

#### 8. Warning of improper closing of the doors

If, before a driving, the doors aren't locked perfectly, and the key isn't turned into ACC-ON position, the warning light will flash all the time to remind the cars coming up from behind of paying attention to driving safety. (Optional function)

#### 9. Anti-robbery function

During driving, the key is turned into ACC-ON position, press the mute key **Ⓜ** ( ), the lamp will flash rapidly. This is the preliminary stage of anti-robbery. (The first step of preventing robbery.)

A. Re-press the anti-theft key A, then enters the anti-robbery state. (The second step of preventing the robbery)

B. The flashing will stop immediately; the engine will stop in 15 seconds. Unless you use the releasing key B **Ⓜ** ( ), the horn's alarming won't be stopped.

A key: **Ⓜ** ( ) sound and light guarding/help-seeking/car seeking/lockup/horn pause/overtaking  
Under normal state, press A key to enter anti-theft guarding state, and the lock is closed. Under the driving state, press A key to close the door lock, press A key for 2.5 seconds to enter overtaking state, re-press A key to pause.

B Key: **Ⓜ** ( ) Releasing the anti-theft/door lock opening/secondary guarding/trunk opening  
Under the normal state, press B key to release anti-theft guarding, and the door unlocks. Under the driving state, press B key to open the central-control lock.

Under all states, press B key **Ⓜ** ( ) for 2.5 seconds to open the trunk. (positive output drive)

C Key: **Ⓜ** ( ) mute anti-theft guarding/car seeking/overtaking (robbery-prevention 1)  
Under the normal state, press C key to enter anti-theft guarding state, and the lock is closed.

Under the normal state, press C key for 2.5 seconds to enter mute car-seeking state. Under the driving state, press C key for 2.5 seconds to automatically enter mute overtaking state.

D key: **Ⓜ** ( ) scaring/car seeking/overtaking: under the anti-theft state, press the car-seeking D key:

(1) Scaring/car-seeking: under the anti-theft state, press the car-seeking key D of the remote controller, the speaker will sound for 15 seconds, the car light flashes, re-press the car-seeking key D to pause.

(2) Overtaking: Under driving state, press D key to enter over-taking, repress the car-seeking D key to stop overtaking.

D Key: **Ⓜ** ( ) Press it for 2 seconds to enter remote control startup/stopping (optional)

### ACC Main Unit's Emergent Releasing

(1) In case the remote controller is missing or fails, the car owner may use the key to open the door, at this time, both sound and light alarming will be given off, and the car cannot be started; insert the original key into the power door lock switch (OFF-ON), and turn the key quickly for 10 times in 20 seconds (1 turn per second).

(2) Press the emergency button for 2 seconds, the main unit is released after the sound and light operate twice.

### Functional Description of the Universal Car Alarm System

#### 1. Auto prompting to start anti-theft signals

When the car is stopped, the anti-theft system horn will make out three beeping sounds 10 seconds after the car owner pulls out the key and closes the door, to prompt the car owner to start the anti-theft system. (Optional function)

#### 2. Anti-theft guarding

Under the condition of anti-theft guarding, the anti-theft will trigger if somebody forces to open the door, breaks down the glasses, strikes by external force, or performs dragging-hanging and so on.

#### 10. Emergency call

Under the normal state, press the car seeking key A **Ⓜ** ( ), the alarming horn will sound for 20 seconds, meanwhile, the car light will flash, enabling the emergency call to be completed. If you want to stop, please repress the car-seeking key A **Ⓜ** ( ), then it will stop.

#### 11. Car seeking alarm

Under the anti-theft state, press the car-seeking key A **Ⓜ** ( ) for 2 seconds, the alarming horn will sound for 20 seconds, the car light will flash simultaneously to help car seeking. To stop it, please repress the car-seeking key A **Ⓜ** ( ).

#### 12. Overtaking alarm

A. During your driving, press the overtaking key A **Ⓜ** ( ) for 2 seconds, the left and right turning lights of the car will flash urgently and rapidly, and the horn will sound loudly. It will automatically stop the over-taking alarm in 20 seconds.

B. During overtaking, re-pressing the car-seeking key A **Ⓜ** ( ) will stop the overtaking alarm function.

#### 13. Scaring

Under the anti-theft state, press the car-seeking key A **Ⓜ** ( ) for 2 seconds, the horn will sound for 20 seconds, and the car lights will flash.

#### 14. Emergency release function

In case the remote controller is missing or damaged during normal use of this system, you can use the original key to open the doors (alarming system is triggered at this time); insert the key into the power doorlock switch (OFF-ON) and turn it quickly 10 times in 20 seconds (1 turn per second), then the guarding state can be released.

#### 15. Automatic weather identification function

When bad weather conditions such as heavy rain or snowstorm are encountered, the system will automatically close the vibratory triggering function after 8 vibratory warnings in succession, then extra level guarding automatically come into effect, and perform detection once every 3 minutes. The vibratory triggering function will resume 4 seconds after the weather condition gets better.

#### 16. Methods for manual interchanging between the electric and pneumatic doorlocks

Method 1: After switching off the power supply, open the casing of the main unit. In the main unit, there are jumpers for your selection.  represents the electric doorlock (0.5 s),  represents pneumatic doorlock (5 s).

**Manual interchanging between the manual and automatic doorlocks (proper setting is required, otherwise it will be inoperable 20\*21\*22)**

Method 1: After switching off the power supply, open the casing of the main unit. In the main unit, there are jumpers for your selection.

#### \* 17. Remote controlled learning function (optional)

The system uses the latest KEELQ code-scrolling technology from US. In case the remote controller is missing, it is possible to have a new one by registering it to the main anti-theft unit with the help of the learning function (up to 3 remote controllers are permitted to set on this unit). At the same time this system will permanently invalidate the remote controller that has been lost, ensuring security of the car.

Step 1: When the guarding state is released, open the doors (keep it open), insert the original key into the lock cylinder, turn the key from OFF to ON for 3 times within 10 seconds (rest it in ON position at the 3rd time), after the car light flash once, LED indicator becomes ON, entering learning state.

Step 2: Within a time interval of 5 seconds, press any key of the remote controller, the horn sounds once, and the car light flash once, confirming that the first remote controller has learned successfully. Then press any key of the second remote controller, the horn sounds once, and the car light flash once, confirming that the second remote controller has learned successfully. (up to 4 remote controllers can learn in the same way, optional function)

#### 18. Roof lamp delay

When the car originally has the function of roof lamp delay, press the anti-theft key A (Ⓜ) to set up guarding, then the central-controlled lock closes, the horn sounds once and the car light stop flashing, and enter anti-theft state after 17 seconds; if the car light is not OFF or the doors is not properly closed in 17 seconds, the system will sound an alarm.

#### \*19. Opening the trunk (optional)

Under all conditions, press the key (B) Ⓜ for 2.5 seconds to open the trunk. If the system is in anti-theft state, then the anti-theft will be released first. (Positive output drive)

#### \*20. Turbo Charging (Delayed engine-stopping & heat-radiating function) (optional)

When the car parking is completed, put the manual transmission into neutral gear, or the auto transmission into N or P gear, apply the parking brake (without applying brake pedal), with the key turned off and pulled out. The engine will remain running for up to 2 minutes. When getting off the car, the engine stops. This can effectively improve the service life of the engine (note: applying braking pedal and pulling out the key simultaneously will stop the engine immediately.)

#### \*21. Preset startup function (optional)

Under the guarding state, press the startup key (D) Ⓜ once (the horn sounds once, the turning light remains ON), then within a time interval of less than 3 seconds press the setting key (A) Ⓜ for 2 seconds (the horn sounds once, the turning light remains ON), indicating selection state has been achieved, at this point, press the startup key (D) Ⓜ once, one sound of the horn means one-hour presetting, repress the startup key (D) Ⓜ, the horn sounds twice, which means two-hour presetting; if you continue to repress the startup key (D) Ⓜ one more time, the horn sounds three times, which means three-hour presetting; pressing the startup key (D) Ⓜ again will trigger 5 horn sounds to release the presetting function. When the final selection is made, press the releasing key (B) Ⓜ, the horn sounds twice and the turning lights make 3 flashes, which means that the operation is complete.

#### \*22. Preset remote-control startup function (Optional)

For the purpose of starting up a car with a manual transmission by using the automatic startup function, the car owner must complete startup presetting when parking the car each time, otherwise, the automatic starting up would be impossible.

● Operating steps for startup presetting of cars with a manual transmission:

- ① When parking, put the car in neutral gear before the engine is stopped.
- ② Apply parking brake, and release the braking pedal.
- ③ Pull out the key, the car remains in running state automatically.
- ④ Open the door, get off the car and close the door within 2 minutes, then the startup

presetting is successful. After the is closed, the engine stops, at this time, you can lock or unlock in remote control mode, and when you open the door again, you can use the "remote control startup" function.

● Unsuccessful presetting:

- ① If the car door is opened for more than 2 minutes, the engine is automatically stopped, the presetting is unsuccessful.
- ② If the key is pulled out when the braking pedal is pressed down, then the presetting is unsuccessful.

● Steps for non-presetting or presetting-cancellation

- ① If preset remote control startup is not necessary or parking in gear is required (e.g. parking on a slope), then press down the braking pedal and pull out the key to stop the engine running without presetting remote control startup.
- ② After presetting is successful, opening the door or starting up over again will cancel the preset remote control startup.
- ③ Occurrence of door opening warning or ignition warning will also lead to cancellation of presetting.

#### 2. Remote controlled startup/engine stopping (correct setting of main unit) (optional)

This command must be executed under the following conditions: the key of the power door lock is not in ON position; for cars with a manual transmission, it should be in a successful preset startup state; for cars with an automatic transmission, they should be in P or N gear.

Press the startup key of the remote controller for 2 seconds.

Responses to operations:

The engine starts to ignite in about 3 seconds. When it successfully starts up, the turning lights make one flash, and the horn sound once; if the startup is unsuccessful, the turning lights make 2 flashes, and the horn sounds twice. With the main unit's state unchanged (if it is in guarding state before a operation, then it remains unchanged after operation), the owner should perform operation of "deactivation of guarding", then open the door and enter the car, you should insert the key and turn it into ON position within 30 seconds, otherwise it will stop running automatically after 30 seconds (note: don't press down the braking pedal before inserting the key, otherwise it will stop running automatically; at this time, don't perform manual ignition, press down the braking pedal once before start up the engine!). After the engine is started up and the door remains unopened, if the key is not inserted within 8 minutes and turned into ON position, then the engine will automatically stop, the turning light will flash once and the horn sounds once, the car resumes the state before engine ignition. When remote controlled startup is successful, if the key of the power door lock is not in ON position, then executing this command within 8 minutes will stop the engine in remote control manner.

#### Notes on installation of the main unit

1. Carefully read the operation manual before installing, and understand the installation diagram. At first get an understanding of the circuit diagram and wiring method for the car on which the unit is to be installed. For any queries, please consult our agents.
2. Determine the installation location of the main unit first. The main unit shall be installed in a hidden location where is not subject to high temperature, moisture and away from other electronic equipment of the car. Insert the harness plug into the main unit, use tape to secure the front end of the harness, then locate the car control line to be connected, such as main power supply line, ignition ON line, lines for car lights and door opening signal, etc., for car models without such a signal, appropriate induction switch shall be added.
3. When performing wirings, the main power supply connection shall be made after other wirings are completed and verified to be error-free. All connections shall be tightened and use tape to wrap up and secure.
4. Vibratory inductor is kept close to car body and secured. Adjust the induction sensitivity to the best effect. (The vibrator shall be installed as closer to the car body or instrument panel as possible, so as to ensure that the vibrator can function normally.)