

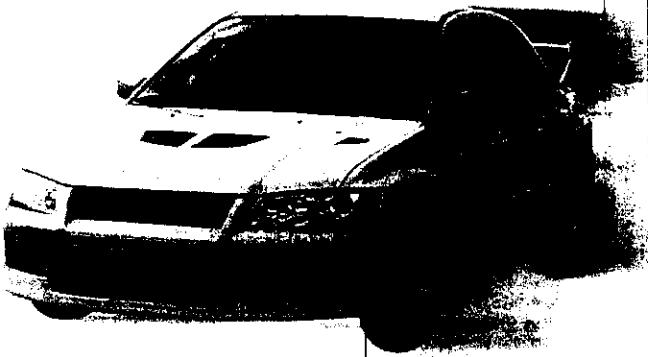
Features

- Stable fixed code
- Arm / Disarm / Silent arming
- Operation temperature : -40°C to 80°C
- Multi-function R/F. remote transmitters
- Silent arm flashes confirmation mode
- Ignition cut-off (output port)
- Noise & interference proof
- AUX output for trunk & Car pager
- Lock-time 0.8 or 3.5 sec. selectable
- Car search / Panic
- Shock sensor bypass
- Auto door lock / unlock feature selectable
- 2-stage shock sensor (Optional)
- Reset switch
- Audible and visual defective zone bypass
- Auto rearming
- All time door lock & unlock operation
- Protection added on all inputs & outputs
- Audible intrusion alert
- Negative / positive door trigger
- Remote Engine Start / Warm up
- Anti car-hijack
- On board central lock relay
- Remote silent mute
- High intensity deterrent LED
- Single stage shock sensor, 2-stage trigger mode

TECVOX
Auto Security System

TC-4182

OPERATION INSTRUCTIONS & WIRING DIAGRAM



Remote Engine Starter

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

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.

TC-4182 REMOTE ENGINE STARTER

Operating instructions

Function assignment of the transmitter

Status Button	Arming	Disarming &		Warm up
		IGN OFF	IGN ON	
1 ST KEY	Panic / Car search	Lock / Arm	Lock	Stop Engine
2 ND KEY	Unlock / Disarm Trunk release	Unlock Trunk release	Unlock Trunk release	
3 RD KEY	Silent Car search	Silent Arm	Lock	Stop Engine
4 TH KEY	Remote Engine start	Remote Engine start	Anti car-hijack	
1 ST + 3 RD	Enable / Disable Sensor			
2 ND + 3 RD	Enable / Disable Ignition-on door lock feature			

Jumper setting (adjust on PC board of main unit)

Jumper	Function	Close	Open
J1	Actuator working timing	0.8 sec.	3.5 sec.
J3	Shock sensor	1-stage trigger	2-stage trigger
J4		Manual gear	Auto gear
J5	Last door arming	Enable	Disable
J6	Output selection	Car pager	Trunk

ARMING :

Press 1ST button for 1/2 sec. one chirp will be heard and lights will flash once to confirm entering arming mode. Once the alarm has armed, the starter disable will be activated instantly, and the LED will start to flash slowly..

SIREN MUTE :

While the siren is sounding in armed mode, press the 1ST button to silence the siren. The system will remain armed.

DISARMING THE ALARM SYSTEM :

Press the 2ND button for 0.5 sec. The siren will emit 2 chirps and lights will flash 3 times. Alarm system is now disarmed.

Note : for safety purposes, while disarmed and ignition is in the on position, only the lock and unlock features are functional, all other functions will be disabled.

[1]

AUTO RE-ARMING :

If you fail to open any point of entry within 20 sec. after disarming alarm it will consider the disarming as invalid and resume arming automatically. One chirp will be heard and lights will flash once to confirm entering auto re-arm mode.

LAST DOOR ARMING :

Once all doors are closed for 30 sec. and ignition switch is off then the system will enter arming mode automatically (actuators will not lock).

Note : This feature can be disabled by setting J5.

CAR SEARCHING :

- Press the 1ST button (while in armed mode), the siren will sound once, and lights will flash once or
- Press the 4TH (Antirob) button to activate the panic function, once you identify your vehicle, press the 2ND to turn it off.
- Press the 3RD button, lights will flash once.

ANTI CAR-HIJACK :

This feature assists in the retrieval of a vehicle that is stolen while in your presence. To test this feature, follow the following steps : While disarmed and ignition is on, press the 4TH 'Antirob' button, the lights and the LED will start flashing for 10 sec. During this 10 seconds countdown period, press the 4TH button again to enter the Anti Car-hijack mode. Once it is activated, the LED starts flashing and 30 seconds later the siren will sound and lights will start flashing, after a further 30 seconds the starter disable circuit will be activated. To deactivate this feature, just press the 2ND button.

AUDIBLE DEFECT ZONE BYPASS :

The alarm system will automatically bypass any trigger zone that displays a constant fault (defective shock, open door or trunk) when the alarm is armed via the transmitter. Once the 'fault signal' is removed, the zone will automatically be monitored again.

Note : The siren will chirp 3 times if the alarm detects a faulty circuit upon arming.

AUDIBLE INTRUSION ALERT :

If the siren chirps more than twice upon disarming, it means the

[2]

vehicle has been triggered or tampered with. The different chirps alert you as to which zone has been tampered with.
(3 chirps = shock sensor, 4 chirps = door circuit, 5 chirps = ignition)

SELECTABLE IGNITION-ON DOORS LOCK, IGNITION-OFF

DOORS UNLOCK FEATURE :

The factory default setting is on. Press 2ND + 3RD buttons together while in disarming mode to deactivate ignition-on doors lock feature (the ignition-off doors unlock will still remain activated)

EMERGENCY OVERRIDE SWITCH :

Turn the ignition on and press down the hidden reset switch for 5 sec. to disarm system.

REMOTE PANIC :

The siren of the alarm maybe activated from 20 to 30 meters away from the vehicle by pressing the 1ST button 2 times. The siren will sound and the light will flash for 30 sec. To leave panic mode, press the 2ND button.

SHOCK SENSOR BYPASS :

While the alarm is armed, press 1ST and 3RD buttons together to bypass the shock sensor. Repeat above step to activate sensor again. This is a temporary setting. If system disarmed and then armed again, sensor is activated

TRUNK RELEASE :

Hold down the 2ND button for 2 seconds, the alarm will disarm and trunk will open (if electric trunk release is fitted to vehicle).

CAR PAGER :

When alarm system activates, car pager's transmitter will emit signals to receiver that is carried by user. Through this optional paging system, user can monitor the status of his vehicle from a long distance up to 300 - 500 meters.

ALL TIME DOOR LOCK AND UNLOCK OPERATION :

Regardless of the ignition being in the on or off position, the 1ST and 2ND buttons will activate the central locking.

DOOR-OPEN ALERT :

[3]

While ignition on, in case any door is not closed properly (or to be opened), lights will flash 10 times for a warning purpose till its closing.

REMOTE ENGINE START / WARM UP

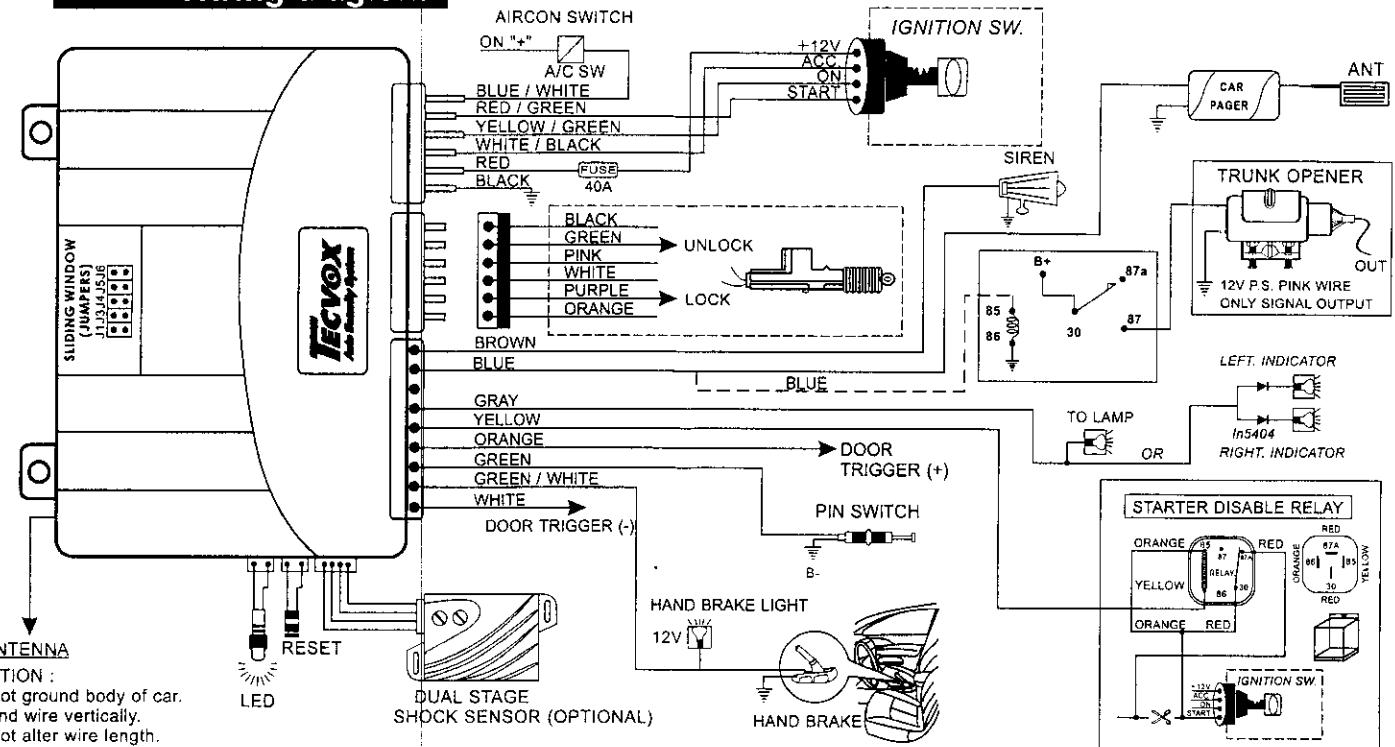
Press the 4TH button twice within 1.5 sec. will remote start the engine. If fails, system will keep cranking every 2 seconds for 6 times at most. When it starts successfully, put in the key and switch to "ON" (do not switch to start to avoid re cranking) position before releasing hand brake otherwise engine will stop immediately. For warm up purpose, the engine will stop automatically after 5 minutes.

SAFETY REMOTE START FOR MANUAL VEHICLES

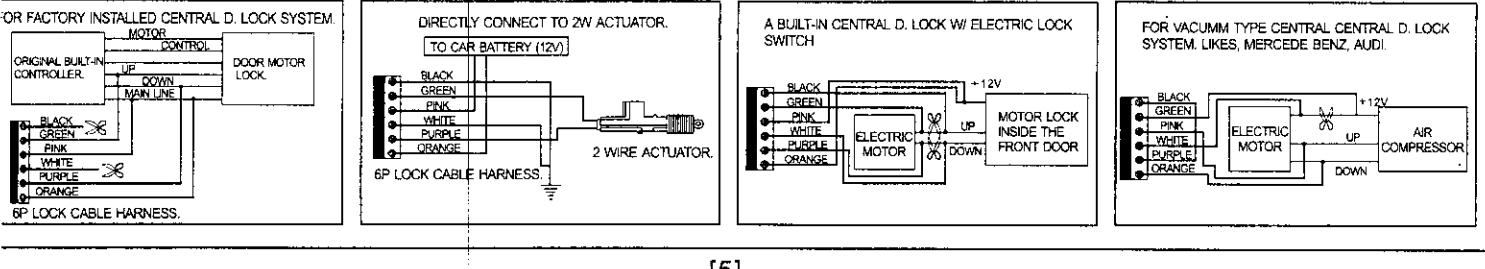
For the sake of safety, users must follow following procedures before leaving. The remote engine start function will be only functional for next time use when following procedures have been done completely. (1) Set to Neutral → (2) Pulling up hand brake → (3) Press button #3 → (4) Switch off Engine will not stop immediately and indicators will still flash until leaving the car and have all doors closed.

[4]

TC-4182 Wiring diagram



For central lock system installation



[5]