

**FEVVOY**  
*Auto Security System*

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**CODE HOPPING**

**OPERATION INSTRUCTIONS & WIRING DIAGRAM**

## **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.

# FEATURES

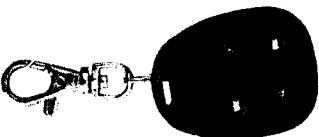
- ◆ All time door lock & unlock operation
- ◆ Audible and visual defective zone bypass
- ◆ Car searching
- ◆ Engine disable
- ◆ High power siren
- ◆ Extended-range R/F, remote transmitters
- ◆ Operation temperature: -40 °C to 80 °C
- ◆ Protection added on all inputs & outputs
- ◆ Remote full-time panic siren operation
- ◆ Selectable ignition-on doors lock, ignition-off doors unlock function
- ◆ Shock sensor bypass
- ◆ Silent arming
- ◆ Noise & interference-proof
- ◆ Anti car-hijack
- ◆ Audible intrusion alert
- ◆ Emergency intrusion alert
- ◆ Instant tampered trigger
- ◆ On-board EEPROM to prevent codes from lost
- ◆ Power-interrupt alarm memory
- ◆ Remote arm / disarm chip(s) confirmation
- ◆ Remote siren muted
- ◆ Dual-stage shock sensor ( Optional)
- ◆ Silent arming / flashes confirmation mode
- ◆ High intensity deterrent LED
- ◆ Pager output
- ◆ Trunk release
- ◆ Ignition-on doors lock by brake pedal ( Optional)
- ◆ Door open warning

Ask your dealer for option availability

# OPERATING INSTRUCTIONS

## FUNCTION ASSIGNMENT OF THE TRANSMITTER

- 1<sup>st</sup> Key**
  - While Ignition "OFF" ----- Arm with chirps / Car search by siren chirp & flashing light.
  - While Ignition "ON" ----- Remote lock
- 2<sup>nd</sup> Key**
  - While Ignition "OFF" ----- Disarm
  - While Ignition "ON" ----- Remote unlock
- 3<sup>rd</sup> Key**
  - While Ignition "OFF" ----- Silent Arm / Car search by flashing light
  - While Ignition "OFF" ----- Panic
- 4<sup>th</sup> Key**
  - While Ignition "ON" ----- Anti car-hijack
- 1<sup>st</sup> & 2<sup>nd</sup> Key press together**
  - While arming ----- Sensor bypass
- 2<sup>nd</sup> & 3<sup>rd</sup> Key press together**
  - While Ignition "ON" ----- Selectable ignition ON / lock , OFF / unlock



## AUDIBLE & VISUAL STATUS DISCRIMINATION

MODE	KEY	IGN SW.	CHIRP(S)	LIGHT	LOCK	LED	STARTER
Arm W / Chirp.	1 <sup>st</sup>	OFF	1	1	Lock	Slow	Cut off
Disarm W / Chirp	2 <sup>nd</sup>	OFF	2	3	Unlock	OFF	ON
Sensor Bypass / While Arming	1 <sup>st</sup> & 2 <sup>nd</sup>	OFF	1 → Enable 2 → Disable	OFF			
Defective Zone Bypass			3		Lock		
Silent Arm	3 <sup>rd</sup>	OFF	0	1	Lock	Slow	Cut off
Anti Car-Hijack	4 <sup>th</sup> twice	ON	30	30	Lock	Rapid	Cut off
Selectable Ignition ON/lock, OFF/unlock	2 <sup>nd</sup> & 3 <sup>rd</sup>	ON	1 → Enable 2 → Disable	OFF		OFF	ON

## PROGRAMMING REMOTE CONTROL TRANSMITTER

Press the RESET switch and turn the car key to ON position, then connect the 10-pin connector of the main unit to power on. Four chirps will be heard from siren and mark lights flash to confirm entering programming mode. Within 30 seconds, press button 1 of the supplied transmitter. The remote is now coded to receiver and the siren will chirp once. To program the second transmitter also press the button 1 within 30 seconds right after you have done the first one. Two chirps will be heard to verify the 2<sup>nd</sup> transmitter has been coded. It can learn up to four transmitters.

### Arming:

Press 1<sup>st</sup> button for 0.5 second, one chirp will be heard, and the lights will flash once to confirm entering arming mode. Once the alarm has armed, the starter disable circuit will be activated instantly and the LED will start to flash slowly.

### Siren Mute:

While the siren is sounding in arming mode, press the 1<sup>st</sup> button to silence the siren. The system will still remain armed.

### Silent Arming:

Press the 3<sup>rd</sup> button, the lights will flash once to confirm entering silent arming mode. This function is recommended for systems that use the 'Alarm Pager' accessory. Under this mode any tampering with the vehicle will transmit a signal directly to the pager and lights will flash constantly for 30 seconds. If ignition switch or point of entry is accessed this will trigger both the pager system and the siren.

### Disarming the Alarm System:

Press the 2<sup>nd</sup> button for 0.5 second, the siren will emit 2 chirps and the lights will flash 3 times. Alarm system is now disarmed. For safety purpose, while disarmed and the ignition is in the on position, only the lock and unlock features are functional, all other functions will be disabled except Anti Car Hijack function.

### Auto Re-Arming:

In case you fail to open any point of entry within 20 seconds after disarming the alarm, system will treat the disarming as invalid and resume arming automatically. One chirp will be heard and lights will flash once to confirm entering Auto re-arming mode.

M-1000 CAR ALARM IN

TC-2

Car Search:

- 1. Press the 1<sup>st</sup> button (while in armed mode), the siren will sound once and the lights will flash once.
- 2. Press the 4<sup>th</sup> button to activate the panic function, once you identify your vehicle then press the 2<sup>nd</sup> button to turn it off.
- 3. Press the 3<sup>rd</sup> button, the lights will flash once. To repeat above step till identify your vehicle.

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 system is disarmed and ignition is in on position, press the 4<sup>th</sup> button. The lights and the LED will start flashing for 10 seconds. During this 10 seconds countdown period, press the 4<sup>th</sup> 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 the lights will start flashing, after a further 30 seconds the starter disable circuit will be activated. To deactivate this feature, just press the 2<sup>nd</sup> button or reset system.

Audible Defected Zone Bypass:

The alarm system will automatically bypass any trigger zone that displays a constant fault (for instance, defective shock sensor, opened 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.

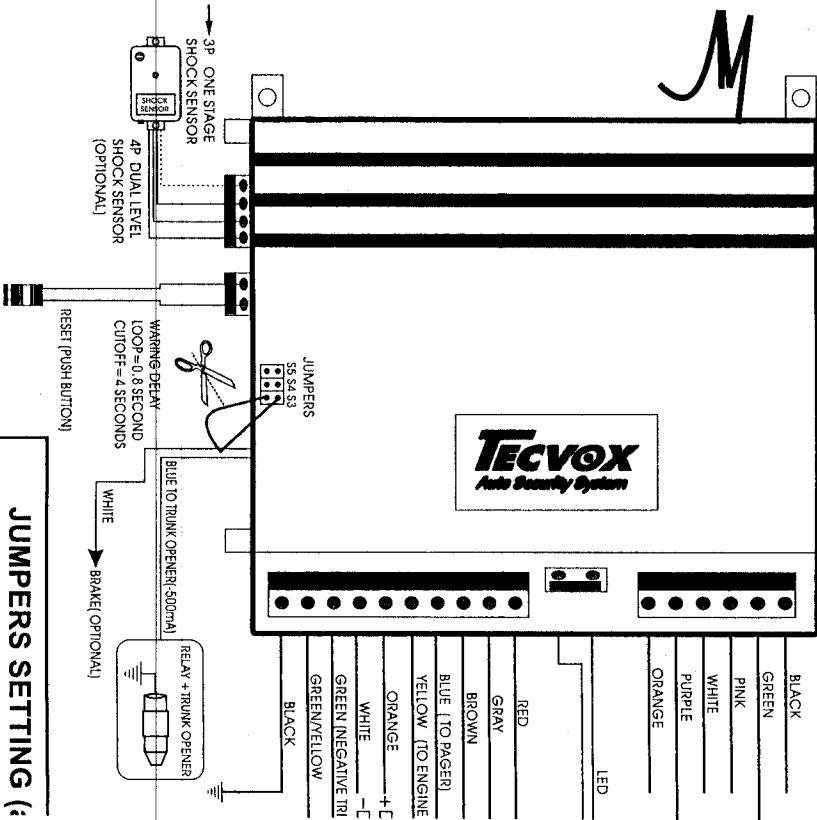
Power Interrupt Alarm Memory:

When the vehicle's battery power is disconnected and reappplied, the alarm will instantly trigger. The siren will sound, lights will flash and the starter circuit will be disabled.

**Note:** Do not leave keys in the vehicle if changing or disconnecting your vehicle's battery.

Audible Intrusion Alert:

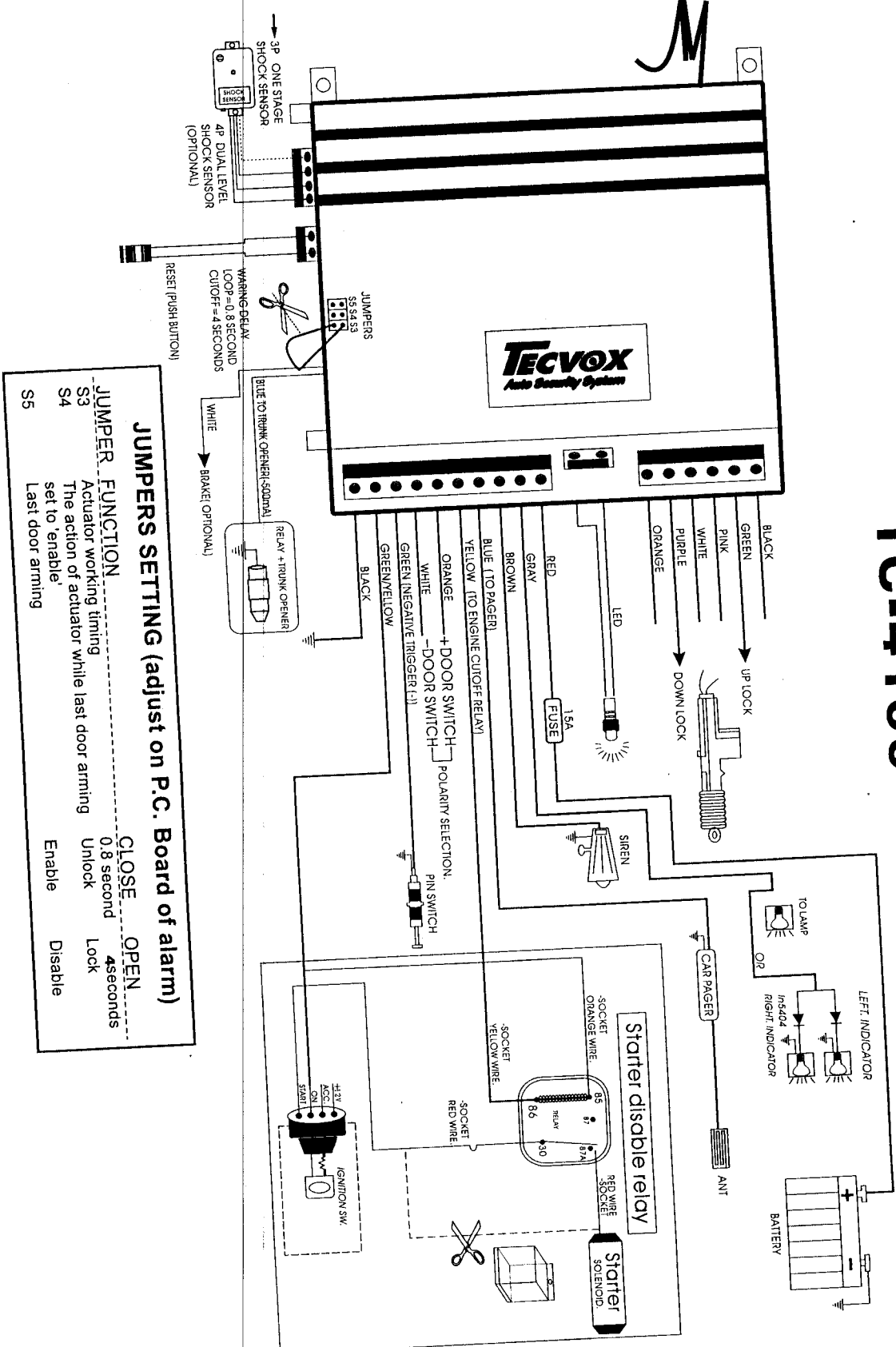
If the siren chirps more than twice upon disarming, it means the vehicle has been triggered or tampered with. The different chirps alert you as to which zone have been tampered with.  
(3 chirps = shock sensor; 4 chirps = door circuit; 5 chirps = ignition)



JUMPER SETTING (:	
JUMPER	FUNCTION
S3	Actuator working timing
S4	The action of actuator wh set to 'enable'
S5	Last door arming

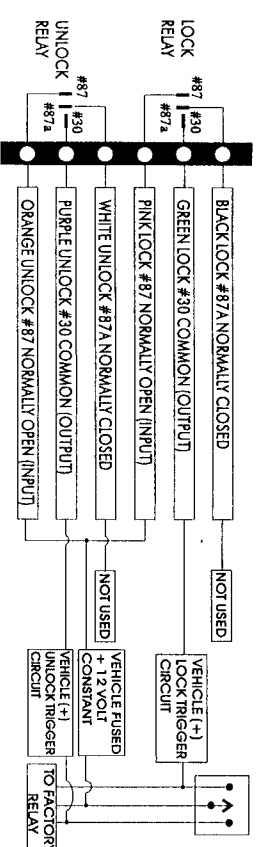
# M-1000 CAR ALARM INSTALLATION DIAGRAM

**TC-4100**

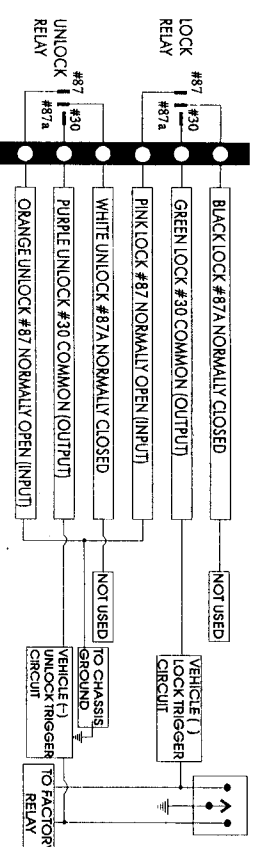


**FOR CENTRAL LOCK SYSTEM INSTALLATION**

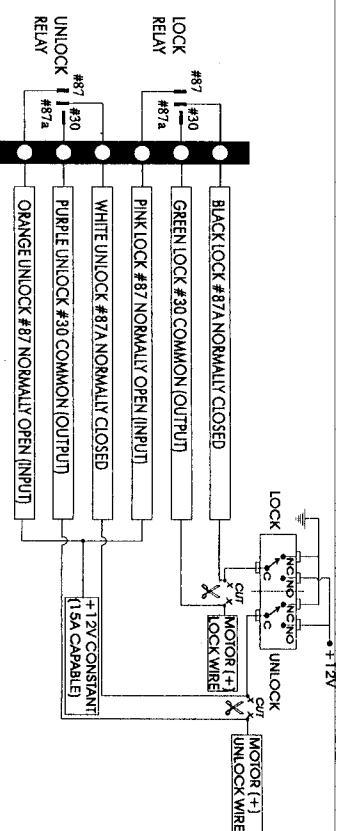
## POSITIVE-TRIGGERED, RELAY-DRIVEN SYSTEMS (TYPE A)



## NEGATIVE-TRIGGERED, RELAY-DRIVEN SYSTEMS (TYPE B)

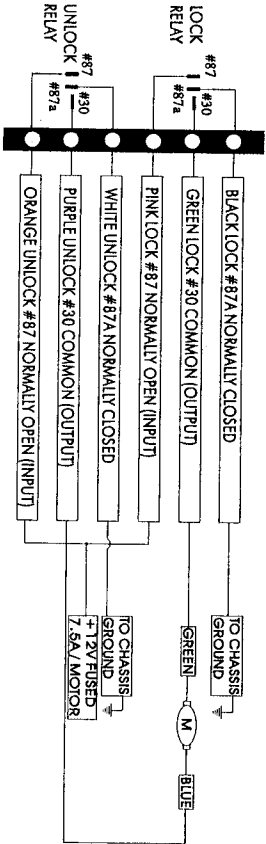


## REVERSING-POLARITY (TYPE C)

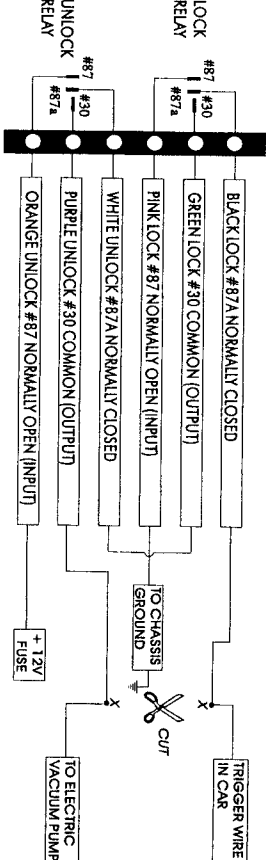


	CLOSE	OPEN
0.8 second	Unlock	Lock
1.5 second	Unlock	Lock
2.5 second	Unlock	Lock
3.5 second	Unlock	Lock
4.5 second	Unlock	Lock
5.5 second	Unlock	Lock
6.5 second	Unlock	Lock
7.5 second	Unlock	Lock
8.5 second	Unlock	Lock
9.5 second	Unlock	Lock
10.5 second	Unlock	Lock
11.5 second	Unlock	Lock
12.5 second	Unlock	Lock
13.5 second	Unlock	Lock
14.5 second	Unlock	Lock
15.5 second	Unlock	Lock
16.5 second	Unlock	Lock
17.5 second	Unlock	Lock
18.5 second	Unlock	Lock
19.5 second	Unlock	Lock
20.5 second	Unlock	Lock
21.5 second	Unlock	Lock
22.5 second	Unlock	Lock
23.5 second	Unlock	Lock
24.5 second	Unlock	Lock
25.5 second	Unlock	Lock
26.5 second	Unlock	Lock
27.5 second	Unlock	Lock
28.5 second	Unlock	Lock
29.5 second	Unlock	Lock
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87.5 second	Unlock	Lock
88.5 second	Unlock	Lock
89.5 second	Unlock	Lock
90.5 second	Unlock	Lock
91.5 second	Unlock	Lock
92.5 second	Unlock	Lock
93.5 second	Unlock	Lock
94.5 second	Unlock	Lock
95.5 second	Unlock	Lock
96.5 second	Unlock	Lock
97.5 second	Unlock	Lock
98.5 second	Unlock	Lock
99.5 second	Unlock	Lock
100.5 second	Unlock	Lock

ADDING ONE OR MORE AFTERMARKET ACTUATORS (TYPE D)



ELECTRICALLY-ACTIVATED VACUUM (TYPE E)



ONE-WIRE SYSTEM - CUT TO LOCK, GROUND TO UNLOCK (TYPE F)

