

# Tarsafe

AUTOMOTIVE ALARMS

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**TW10 / TW10 SB**  
Without Lock

## MANUAL

AUTOMOTIVE ALARM

## 1) Before Starting

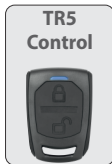
**!** **ATTENTION:** We recommend the complete reading of this manual before proceeding with the installation of this product.

- This product is intended to make it prevent or inhibit the theft of the vehicle, as well as robbery of objects in its interior.
- Before contacting TARAMPs technical support, read this manual, it contains all the necessary information for the installation and use of the product.
- The installation of this product must be done by a specialized professional.
- During installation, use a multimeter to measure voltage.
- For perfect functioning, the door and ignition switch signals need to be connected to the alarm.
- Clean the place where the ultrasound sensors and the master key will be fixed.
- Keep the master key in a secret and easily accessible location.

## 2) Technical Features

Supply voltage	9 to 16 Volts
Consumption	6 to 25 mA
Engine Lock	Max. 20 A
Turning lights Output	2 x 70W with digital protection
Lock, Unlock and Auxiliary Outputs	Max. 200 mA - (ground signal)
Sound control and dedicated Siren	Max. 200 mA - (positive signal)
Configurable output for activating locks and original power windows	Universal, Fiat Line, VW G5, G6, G7, VW UP and Mobi

## 3) Composition



TECHNOLOGY G4		TW10-15B	TW10	
DEDICATED SIREN		1	1	
ENGINE LOCK		X	YES	
CONTROLS	TR2	From June 2019	compatible	compatible
	TR2-P	From June 2019	compatible	compatible
	TR3C	From June 2019	compatible	compatible
	TR4C	From June 2019	compatible	compatible
	TR5		1	2

The TW10 Alarm Line is compatible with all Tarsafe controls that were manufactured from June 2019.

**ATTENTION:** Using the TR1, TR2, TR3C or TR4C controls, in the TW10 line alarms, the AUXILIARY button will have no function.

**BASIC ALARM OPERATION:** When turning on the alarm by remote control (if the vehicle has audio equipment, windows and power locks properly installed), the audio will be shut off, the doors will be locked, power windows will be closed, and ultrasound sensors and doors will start to monitor the vehicle.

## 4) Remote controls\*

- Operating Frequency 433,92MHz
- Anti-cloning technology (Hopping Code)
- Anti Jammer Transmission System
- 13v Battery - CR 2032 LITHIUM

Control TR5



BOTÕES



Illustrative images, which may differ from the real image.

## Replacing the Control Battery.



Carefully open the plastic box from the sides. Replace the battery, observing the polarity (+) and (-). Use CR2032 batteries.



\*This equipment operates on a secondary basis, that is, it is not entitled to protection against harmful interference, even from stations of the same type, and may not cause interference to systems operating on a primary basis.\*

## Control Functions (Manufactured from June 2019)

- Anti Jammer Function. EXCLUSIVE IN THE G4 TARAMPS LINE.

Jammer is when there is another control transmitting near the central of the alarm, making it impossible to turn the alarm on or off by the registered control.

## Register NEW control in the Alarm Center

It is possible to record up to 4 controls, when recording the 5th the first one will be erased.

PROCEDURE:

- With the door open, switch on the ignition..

- Hold the master pressed until beep 3.

- When releasing, the alarm will sound 1 long beep and the turning lights will be lit;

Press the ON + OFF keys simultaneously, the alarm will sound 3 Beeps confirming the recording.

To exit setup, turn off the ignition.



## Change code G3 / G4 - TR5 controls

A - Hold down the ON and OFF keys;

B - Release after LED goes out;

C - The LED will flash informing the new code system:

3 blinks = line G1 to G3 4 flashes = line G4 and forward.



## 5) Remote Control Functions:

FUNCTION	ACTION IN CONTROL	ALARM RESPONSE
1 - Turn Alarm on	Press	1 Blink on turning lights +1 Siren beep 3 Beeps indicate an Open Door <b>Item 11.1</b>
2 - Turn Alarm off	Press	2 flashes on turning lights + 2 siren beeps Note: 4 flashes on the turning lights + 4 beeps, indicate that the alarm went off when the it was activated. <b>Item 11.1</b>
3 - Panic	Press  for 2 seconds with the alarm on	the siren goes off and turning lights flash for 45 seconds.
4 - Output, Auxiliary, use auxiliary module	Press  for 2 seconds with the alarm off	when you keep the button pressed, the alarm generates negative signal on the brown wire.

## 6) Lock by Secret Button - required to be enabled by master. (TW10 only)

### Operation:

With the ignition on and the doors closed, press the master key for 1 second. Otherwise, Secret Button Lock will not be enabled. After the programmed time, (according to the Beep 7 setting), the ultrasound LED starts blinking, the audio system will be turned off, the siren and turning lights will go off, another 20 seconds, the engine will begin failing until it is definitively Locked. To cancel the lock, press the master.

ATTENTION: In this case, it will not be possible to cancel the triggering by the control.

### Enable Secret Button Lock Function:

- With the door open, switch on the ignition.

- Hold the master pressed until beep 6.

- The alarm will respond informing:

**1 Beep** = Secret button Function ON

**2 Beeps** = Secret button Function OFF



To change, press the Master key once to Enable or 2 times to Disable.

After turning the ignition off, the alarm will confirm the new setting with beeps.

## 6.1) Valet Function (only for TW10 - for Secret Button Lock)

It is used when leaving the vehicle in a parking lot, for example, without the need to indicate to the location of the Master (Secret Button) to the valet.

### Operation:

With the door closed, turn off the ignition and hold the Master pressed for 3 seconds. The ultrasound LED will flash 3 times confirming activation.

To cancel the Valet function and return to normal operation, turn the ignition on with the door closed and press the Master for 1 second.



**⚠ Attention:** Function canceled from factory, It is required to be enabled by Beep 8.

## 7) Set time to lockout (TW10 only)

- With the door open, turn the ignition on.

- hold the master until beep 7.

The alarm will respond informing:

**1 Beep** = Blocking in 1 Minute

**2 Beeps** = 2 Minute Lockout

**3 Beeps** = Blocking in 3 Minutes



To change, press the Master key the number of times referring to the desired time. Each time the Master is pressed, the alarm confirms with 1 beep. After turning the ignition off the alarm will confirm the new setting with beeps.

## 8) Ultrasound Sensors

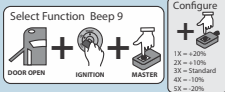
Attach the sensors to the vehicle's windshield, 10cm below the roof.  
Ultrasound Sensors come with digital sensitivity adjustment.  
Only change the default setting if necessary.  
Follow the table below:



Click	Sensors Sensitivity	Alarm Response
1 time	+20%	1 Beep
2 times	+10%	2 Beeps
3 times	<b>Factory Standard</b>	3 Beeps
4 times	-10%	4 Beeps
5 times	-20%	5 Beeps

### Set Ultrasound Sensitivity

- With the door open, turn the ignition on.
- Hold the master pressed until beep 9.
- The alarm will respond informing the current setting:
  - 1 Beep = Sensitivity **+20%**
  - 2 Beeps = Sensitivity **+10%**
  - 3 Beeps = Sensitivity **STANDARD**
  - 4 Beeps = Sensitivity **-10%**
  - 5 Beeps = Sensitivity **-20%**



To change, press the Master key the number of times referring to the desired sensitivity. Each press on the Master the alarm will confirm with 1 beep. After turning the ignition off, the alarm will confirm the new setting with beeps.

### 8.1) LED functions

**LED OFF** - Alarm off;

**LED FLASHING NORMALLY** - Alarm on;

**LED ALWAYS ON** - Door, Hood or Trunk open;

**LED FLASHES 2X** - Alarm on with cancelled ultrasound sensor;

**LED FLASHING AFTER TURNING ALARM OFF BY REMOTE CONTROL**

Indicates which sensor caused the last trigger:

- 1 blink - ignition
- 2 consecutive blinks - ultrasound sensor.
- 3 consecutive blinks - doors, hood or trunk.

## 9) Window Activation Setup:

### Configure Signal to trigger window / Lock

- With the door open, switch on the ignition.
- Hold the master pressed until beep 8.
- The alarm will respond informing:

**1 Beep** = Universal

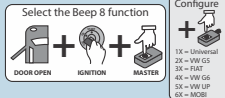
**2 Beeps** = VW G5

**3 Beeps** = FIAT

**4 Beeps** = VW G6

**5 Beeps** = VW UP

**6 Beeps** = MOBI



To change, press the Master key the number of times referring to the desired setting.

Each time you press the Master, the alarm confirms with 1 beep. After turning off the ignition, the alarm will confirm the new setting with beeps.

**9.1 Universal Mode:** negative signal 15 seconds.

**9.2 VW G5 mode:** Gol, Saveiro, Voyage (generation 5) manufactured after February 2009, with window and original electric lock. Close the windows, lock and unlock the doors. Connect the Green/Black alarm wire to pin 5 of the original panel 23-way connector, located above the accelerator pedal. DO NOT connect Red / Black and Red / Yellow (lock and unlock) wires.

**9.3 FIAT Mode:** Palio, Idea, Punto and Linea with automated power windows, up and down. Connect the Green / Black alarm wire to pin 8 on the original switch, to the Palio and Idea line located behind the glove box. On Linea and Punto, Red / Black wire in the switch located behind the fuse box.

**9.4 VW G6 and G7 Mode:** Gol, Saveiro, Voyage (generation 6 and 7), with original windows. Connect the Red / Black alarm wire to the Brown / Red wire, pin 36, from the original control panel located above the fuse box. Functions: lock, unlock, close and open the windows. To open the windows, hold the control off button pressed with the alarm off.

**IT IS NOT NECESSARY TO USE A RESISTOR.**

**9.5 VW UP:** Only for LOCK and UNLOCK. Connect the Red / Black alarm wire to the Brown / Green wire located on the left pillar of the vehicle.

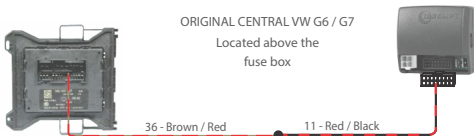
**9.6 MOBI:** New Uno after 2015, MOBI and ARGO, with original power windows. Connect the Green / Black wire of the alarm to the Brown / Green wire of the 6-way harness of the original alarm, located at the steering column.

## 9) Window Connections and VW G6 and G7 Electric Lock (continuation)

**Function:** Closes and opens the power windows, locks and unlocks the doors.

Window activation signal setting = **VW G6 / G7, item 8.**

To open the windows, turn the alarm off and hold down the off button on the control.



**Attention:** For perfect operation, ground the alarm module properly. Some wire colors may change without prior notice from the car manufacturer. It is necessary to test before making the connections.

### Configure Signal for Window/Electric Lock activation

- With the door open, turn the ignition on.

- Hold the master pressed until beep 8.

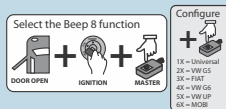
- The alarm will respond informing

- 1 Beep = Universal
- 2 Beeps = VW G5
- 3 Beeps = FIAT
- 4 Beeps = VW G6
- 5 Beeps = VW UP
- 6 Beeps = MOBI



To change it, press the Master key 4 times, referring to the VW G6/G7 signal.

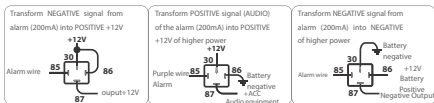
Each press on the Master, the alarm confirms with 1 beep. After turning the ignition off, the alarm will confirm the new setting with 4 beeps.



### Relay Connections:

The lock, unlock, auxiliary and sound equipment outputs can handle a maximum of 200mA.

In case you need to install equipment with a consumption that is greater than 200mA, relays must be used.



## 10) Auxiliary Output Setting- brown wire

### Programming by Master

- With the door open, turn on the ignition.
- Hold the master pressed until beep 10.
- The alarm responds with the current setting :

**1 Beep** = Reads Negative switch

**2 Beeps** = Reads Positive switch

**3 Beeps** = Auxiliary Output



To change, press the Master key the number of times referring to the desired function. Every time the Master is pressed, the alarm confirms with 1 beep. After turning the ignition, off the alarm will confirm the new setting with beeps.



### 1) Reads Negative switch.

To install on door switch, hood or trunk with Negative signal when open.

### 2) Reads Positive switch..

To install on door switch, hood or trunk with Positive signal when open.

### 3) Auxiliary Output .

It is used to open electric windows, for example.

The use of Auxiliary Relay is required.

## 11) Alarm Functions:



**1 OPEN DOOR WARNING:** When turning the alarm on , if there are 3 BEEPs, it indicates that there is an open door. Close it and turn the alarm back on. If not solved the alarm will cancel the door monitoring. The other functions will continue operating normally. If the problem persists, look for a specialized service to repair the door switch.



**2 SHUTDOWN - ACTIVATION LIMITER:** In case of violation, the alarm will activate the SIREN and will flash the TURNING LIGHTS for 45 seconds. After 5 seconds, it will go back to monitoring the sensors. After 4 triggerings by the same sensor, it will be canceled, keeping the others active. It will only be monitored again when the alarm is reset by the remote control.



**3 AUTOMATIC LOCK:** About 8 seconds after turning the ignition on, doors will be locked and unlocked by turning the ignition off. It will not lock if a door is left open or turn on the ignition before closing the door.

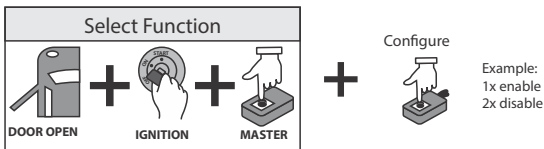


**4 AUTOMATIC REACTIVATION:** Automatically turns the alarm back on after 60 seconds, when turned off by the remote control and:  
- Door, hood or trunk are not opened;  
- ignition is not turned on;  
- Ultrasonic sensor does not detect movement. It is possible to disable, [item 12.5](#).



## 12) Programming by Master Key

With the door open, turn on the ignition and hold the master pressed until the desired function beeps. The alarm will beep according to the current setting, to change, press the master the number of times of the desired setting.

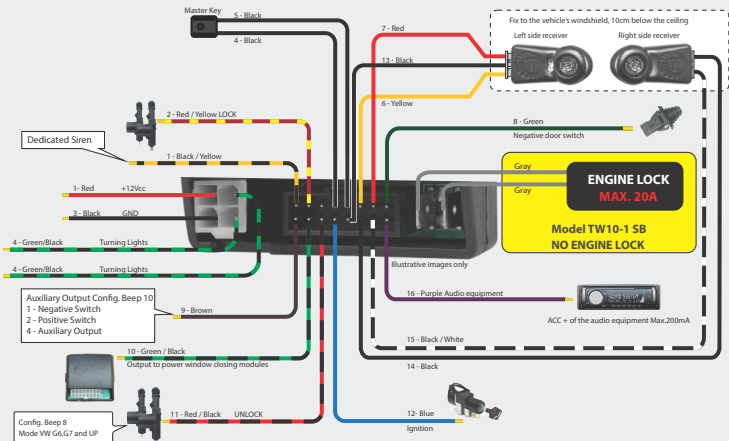


1 - ENABLE/DISABLE alarm	<input checked="" type="checkbox"/>	1 beep = ENABLE 2 beeps = DISABLE
2 - On/Off BEEP	<input checked="" type="checkbox"/>	1 beep = ENABLE 2 beeps = DISABLE
3 - CONTROL RECORDING		see <b>item 4</b>
4 - AUTOMATIC LOCK	<input checked="" type="checkbox"/>	1 beep = ENABLE <b>item 11.3</b> 2 beeps = DISABLE
5 - AUTOMATIC RESET	<input checked="" type="checkbox"/>	1 beep = ENABLE <b>item 11.4</b> 2 beeps = DISABLE
6 - ANTI-THEFT BY SECRET BUTTON	<input checked="" type="checkbox"/>	1 beep = ENABLE <b>item 6</b> 2 beeps = DISABLE
7 - TIME TO BLOCKING	<input checked="" type="checkbox"/>	1 beep = starts in 1 minute 2 beeps = starts in 2 minutes 3 beeps = starts in 3 minutes
8 - SIGN FOR / ORIGINAL WINDOW/LOCK	<input checked="" type="checkbox"/>	1 beep = UNIVERSAL 2 beeps = VW G5 3 beeps = FIAT <b>item 9</b> 4 beeps = VW G6 e G7 5 beeps = VW UP (only locking and unlocking) 6 beeps = MOBI ( <b>config. available in alarms manufactured after 12/2020</b> )
9 - ULTRASOUND SENSITIVITY ADJUSTMENT	<input checked="" type="checkbox"/>	To change, see <b>item 8</b>
10 - BROWN WIRE SETTING see Item 10	<input checked="" type="checkbox"/>	1 beep = Reads Negative Switch 2 beeps = Reads PositiveSwitch 3 beeps = Auxiliary
11 - FACTORY RESET	<input checked="" type="checkbox"/>	1 beep LONG factory setup restored

**3 LONG BEEPS = END OF PROGRAMMING WITHOUT SETTINGS CHANGING**

# Installation Scheme

**Attention: The G4 ALARMS LINE has a new Ultrasound transmitter .**  
In case of replacement of the old alarm panel by G4, the sensortransmitter, (right side sensor, no LED) must also be replaced by the new one.



Technical Support / Apoyo Técnico

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suportetecnicotaramps



## Warranty term

TARAMPS, located at Rua Abílio Daguano, 274 Res. Manoel Martins - Alfredo Marcondes - SP, ZIP19.180-000, guarantees this product against design, manufacturing, assembly and/or joint and several malfunctions due to design flaws that make it unsuitable or inappropriate for its intended use, for a period of 24 months from the date of purchase.

In the event of a defect within the warranty period, TARAMPS' liability is limited to repairing or replacing the device manufactured by it.


- Products damaged by incorrect installation, water infiltration, tampering by unauthorized individuals;
- Natural wear components: such as battery;
- Scratched or torn warranty seal;
- Cases where the product is not used under regular conditions;
- malfunction caused by accessories, modifications or equipment attached to the product;
- The product presents damage resulting from drops, impacts or the action of agents of nature (floods, lightning, etc.);
- Equipment removal and reinstallation costs, as well as its transportation to the technical assistance post;
- Damage of any kind, resulting from problems with the product, as well as losses caused by discontinuation of use.

Factory technical assistance department:


**Taramps Electronics** - Rua: Abílio Daguano, nº 274 - Alfredo Marcondes - ZIP 19.180-000

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 Taramps reserves the right to change the contents of this manual without prior notice or obligation to apply modifications to previously produced units.



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