

# Tarsafe

AUTOMOTIVE ALARMS

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## TW30 G4

**EXCLUSIVITY**



Wireless communication  
with theAlarm Center



**MANUAL**  
AUTOMOTIVE ALARM



# 1) Before Starting:

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

- This product is intended to make it difficult or inhibit the theft/robbery of the vehicle, or 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 only a multimeter to measure voltage.
- For perfect operation, the door and ignition switch signals need to be connected to the alarm.
- Carefully clean the place where the ultrasound sensors and the master key will be fixed.
- Fix the master key in a secret and easily accessible location.

# 2) Technical Features:

Supply Voltage	9 to 16 Volts
Consumption	6 to 17 mA
Engine Lock	Max. 20 A
Turn Signals Output	2 x 70W c/ digital protection
Lock, Unlock, Auxiliary 1 and 2 outputs	Max. 200 mA - (Negative Signal)
Auxiliary Output 3 and Audio Control	Max. 200 mA - (Positive Signal)
Configurable output for triggering locks and original power windows	Universal, Fiat, VW G5, G6, G7, VW UP and Mobi lines

# 3) Composition



		TECHNOLOGY G4					
Manufacturing		TW20	TW20-P	TW20 CH	TW30	TW30 CH	
CONTROLS	DEDICATED SUREN	1	1	1	compatible	compatible	
	RF SIREN	X	X	X	1	1	
	TR2	Before April 2019	X	X	X	X	X
	TR2-P	Before April 2019	X	X	X	X	X
	TR3C	Before April 2019	X	X	X	X	X
	TR2	After June 2019	2	1	compatible	1	compatible
	TR2-P	After June 2019	compatible	1	1	1	1
	TR3C	After June 2019	compatible	compatible	1	compatible	compatible
TR4C	After June 2019	compatible	compatible	compatible	compatible	1	

**BASIC ALARM OPERATION:** When turning the alarm on by remote control (if the vehicle has audio equipment, power windows and electric locks properly installed), the audio will be turned 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
- 1 3V Battery - CR 2032 LITHIUM

Images for illustrative purposes only and may differ from the real image!



BUTTONS



## Replacing the Control Battery.



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



\*See item 3 to check which remote control belongs to which Alarm model. Any control model can be purchased separately.

\*\*\*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.

## Controls Functions (Manufactured from June 2019)

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

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

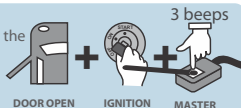
- Code G3 (for the TW20 G1 to G3 line).
- Code G4 (exclusive for the TW20 G4 line).

## Register NEW control in the Alarm Central

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 signals will be on.
- Simultaneously press the ON + OFF keys, the alarm will sound 3 Beeps confirming the recording.
- To exit setup, turn off the ignition.



## Change code G3 / G4 - TR2 and TR2-P controls

- A - Hold down the Home and Auxiliary keys;
- B - Release after LED goes out;
- C - The LED will flash informing the new code system:  
3 flashes= line G1 to G3  
4 flashes= G4 line onwards



**ATTENTION: Function only exists in controls manufactured from June/2019.**
























## Change G3 / G4 code - TR3C and TR4C controls

- A - Hold down the Power and Auxiliary keys;
- B - Release after LED goes out;
- C - The LED will flash informing the new code system:  
3 blinks = line G1 to G3  
4 blinks = G4 line onwards



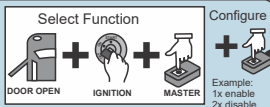
**ATTENTION: Function only exists in controls manufactured from June/2019.**

## 5) Remote Control Functions:

FUNCTION	CONTROL ACTION	ALARM RESPONSE
1 - Turn alarm on	Press 	1 Flash on Turn Signals+ 1 Siren beep 3 Beeps indicate Open Door <a href="#">Item 9.1</a>
2 - Turn Alarm off	Press 	2 flashes on turn signals + 2 siren beeps Note: 4 flashes on the turn signals+ 4 beeps, indicate that there was a trigger when the alarm was activated. <a href="#">Item 12.1</a>
3 - Turn Alarm on without a beep	Press  then 	1 flash on Turn signals 3 Beeps indicate Open Door <a href="#">Item 9.1</a>
4 - Turn Alarm off without a beep	Press  then 	2 flashes on turn signals Note: 4 flashes on the turn signals, indicate that there was a trigger when the alarm was activated. <a href="#">Item 12.1</a>
5 - Locate Vehicle	Press  for 2 seconds with alarm on	turn signals flash for 20 seconds. To cancel, press the button 
6 - Panic	Press  for 2 seconds with alarm on	Activates the siren and the turn signals flash for 45 seconds. To cancel, press the button 
7 -Cancel Alarm Activation	Press  with alarm triggered	Stops the siren and turn signals. The alarm continues to monitor.
8 - Turning Signals	Press  2 times (  +  )	Turn signals light for 10 seconds.. <a href="#">Item 9.5</a>
9 - Ultrasound Cancel	Press  then  for 2 seconds	1 Long beep, confirms ultrasound cancellation and window close .Ultrasound operates again at next power on. <a href="#">Item 9.6</a>
10 -Auxiliary output, use auxiliary module	Press  for 2 seconds with the alarm off	while the button is pressed, the alarm generates a negative signal.
11 - Auxiliary output 2 use auxiliary module	Press  for 2 seconds with the alarm off	See <a href="#">item 13</a>
12 - Automatic Presence Transmission	Press  +  for 2 seconds	See <a href="#">item 7</a> Only TR2-P control
13 - Range Test Presence function	Press  +  for 2 seconds	See <a href="#">item 7.2</a> Only TR2-P control
14 - HOME	Press 	See <a href="#">item 9.7</a>

## 6) Programming by Master Key

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



1 -	ENABLE/DISABLE alarm	✓	1 beep = ENABLE 2 beeps = DISABLE
2 -	on/off BEEP	✓	1 beep = ENABLE 2 beeps = DISABLE
3 -	CONTROL RECORDING		See <a href="#">item 4</a>
4 -	AUTOMATIC LOCK	✓	1 beep = ENABLE 2 beeps = DISABLE <a href="#">item 9.3</a>
5 -	AUTOMATIC REACTIVATION	✓	1 beep = ENABLE 2 beeps = DISABLE <a href="#">item 9.4</a>
6 -	SELECT WIRED SIREN RINGER		Press and release the master until you hear the desired ring.
7 -	ANTI-THEFT BY PRESENCE	✗	1 beep = ENABLE 2 beeps = DISABLE <a href="#">item 7</a>
8 -	ANTI-THEFT BY SECRET BUTTON	✗	1 beep = ENABLE 2 beeps = DISABLE <a href="#">item 8</a>
9 -	TIME FOR LOCKING	3	1 beep = Starts in 1 minute 2 beeps = Starts in 2 minutes 3 beeps = Starts in 3 minutes
10 -	AUTOMATIC UNLOCK	✓	1 beep = ENABLE 2 beeps = DISABLE
11 -	SIGN FOR LOCK / ORIGINAL WINDOWS	1	1 beep = UNIVERSAL 2 beeps = VW G5 3 beeps = FIAT <a href="#">item 11</a> 4 beeps = VW G6 e G7 5 beeps = VW UP (lock/unlock only) 6 beeps = MOBI (config. available in alarms manufactured after 12/2020)
12 -	ULTRASOUND SENSITIVITY ADJUSTMENT	3	To change, see <a href="#">item 12</a>
13 -	BROWN WIRE SETTING <a href="#">see Item 13</a>	1	1 beep = Reads Negative Switch 2 beeps = Reads Positive Switch 3 beeps = open/close Gate 4 beeps = Headlight Signal On/Off 5 beeps = Auxiliary 2
14 -	BLACK/YELLOW WIRE SETTING <a href="#">see Item 14</a>	5	1 beep = Auxiliary Aux. 3 - Pulse 2 beeps = Aux. Output 3 - Retention 3 beeps = Headlights control 4 beeps = Horn 5 beeps = Dedicated Siren
15 -	CLONING GATE CONTROL		<a href="#">see item 15</a>
16 -	TURN ALARM ON REMOTELY <a href="#">See Item 16</a>	1	1 beep = Disable 2 beeps = Turn alarm on without locking 3 beeps = alarm on and lock 4 beeps = Turn on/lock and turn off/unlock
17 -	FACTORY RESET		1 LONG beep Factory settings restored

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

## 7) Blocking by Presence Function / Remoteness

### Operation:

With the ignition on and the doors closed, pulling the TR2-P control away from the vehicle automatically activates the distance lock. After the programmed time (Beep 9 of the configuration by the master), the ultrasound LED starts flashing, the audio is turned off, the siren and turning signals will go off, after 10 seconds the engine will start failing until it is definitively blocked. To cancel the lock, bring the TR2-P control closer to the vehicle and wait for the automatic transmission or press the end key.

### Activate the Presence Function on the control

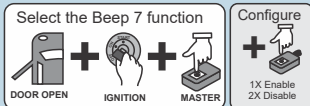
- Hold pressed the Power and Auxiliary keys;
- Release after LED goes out;
- The LED will flash informing:  
1 flash= Presence Transmission ON  
2 flashes= Presence Transmission OFF



### Activate Presence Function in the Alarm Central.

- With the door open, turn the ignition on.
- Hold the master pressed until beep 7.
- The alarm will respond informing:  
**1 Beep** = Presence Function ON  
**2 Beeps** = Presence Function OFF
- To change, press once to Enable or twice (2x) to Disable.

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



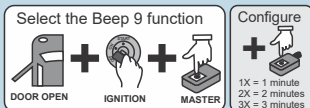
Attention: Factory canceled function, must be enabled by Beep 7.  
In G4 alarms it is possible to enable within the Presence Functions Beep 7 and the Lock by Secret Button Beep 8.

### Set time to lock, 1, 2 or 3 minutes

- With the door open, switch on the ignition.
- Hold the master pressed until beep 9.
- 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 press on the Master, the alarm confirms with 1 beep. After turning the ignition off the alarm will confirm the new setting with beeps.



## 7.1) Test Presence Function

### Operation:

It is not necessary to move the control away from the vehicle, to test the lock, simply disable the automatic transmission of the TR2-P control, turn the ignition on, close the doors and wait.

### Disable Presence Function on the control

- Hold the Power and Auxiliary keys pressed;
- Release after LED goes out;
- The LED will flash informing:
  - 1 flash= PresenceTransmission ON
  - 2 flashes= PresenceTransmission OFF



## 7.2) Test range of automatic transmission

### Operation:

It is used to test the range of automatic transmission in the Presence function. With the automatic transmission of the presence function activated in the control and the function activated in the alarm control panel, hold the off and auxiliary keys pressed until the LED goes out. After releasing the keys, the LED will flash every 2 seconds, each flash, the alarm will respond with a BEEP, informing that it has received the transmission. Move the TR2-P control away from the vehicle until the control panel stops responding. To cancel, press any key on the control.

### Activate RANGE test

- Hold pressed the Power and Auxiliary keys together
- Release after LED goes out;
- The LED will flash every 2 seconds:
- To cancel, press any key on the control.



### BATTERY Replacement Notice

If when the ignition is turned on, the alarm sounds 1 BEEP, it is an indication that the battery voltage of the TR2-P control is low and will need to be replaced as soon as possible.



**Attention: The Presence Lock function will only be activated with all vehicle doors closed.**

## 8) Lock by Secret Button - required to be enabled by master.

### OPERATION:

With the ignition on and the doors closed, press the master key for 1 second. Otherwise, Secret Button Lock will be enabled. After the programmed time, (according to the Beep 9 setting), the ultrasound LED starts flashing, the audiowill be shut off, the siren and turning signalswill go off, after other20 seconds, the engine will begin failing until it is definitively blocked. 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, turn the ignition on.
- Hold the master pressed until beep 8.
- The alarm will respond informing:

**1 Beep** = Presence Function **ON**

**2 Beeps** = Presence Function **OFF**



To change, press the Master switch, 1x (once) to Enable or 2x (twice) to Disable. After turning off the ignition, the alarm will confirm the new setting with beeps.

#### Select the Beep 8 function



#### Configure

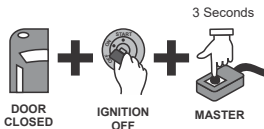


## 8.1) Valet Function (Only for Secret Button Lock)

It is used when you leave the vehicle in a parking lot, for instance, without having to indicate the location of the Master to the Valet (Secret Button).

### Operation:

With the door closed, turn the ignition off 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, need to be enabled through Beep 8.

On the TW30 G4 it is possible to enable the Beep 8 Secret Button Lock and the Beep 7 Presence Function simultaneously.

### Set time to lock, 1, 2 or 3 minutes

- With the door open, switch on the ignition.
- hold the master pressed until beep 9.
- The alarm will respond informing:

**1 Beep** = Lock in **1 Minute**

**2 Beeps** = Lock in **2 Minutes**

**3 Beeps** = Lock in **3 Minutes**



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

#### Select the Beep 9 function



#### Configure





## 9) Alarm Functions:



**1 DOOR OPEN 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 it is not solved the alarm will cancel the door monitoring. The rest will work normally. If the problem persists, look for a specialized service to repair the door switch.



**2 SHUTDOWN - TRIGGER LIMITER:** In case of violation, the alarm will trigger the SIREN and will flash the TURNING SIGNALS for 45 seconds. 5 seconds after that, 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 on the ignition, 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. It is possible to cancel the unlock when you turn off the ignition, [items 6.4 and 6.10](#).



**4 AUTOMATIC REACTIVATION:** Automatically turns the alarm back on after 60seconds when turned off by the remote and:

- Door, hood or trunk are not opened;
- Ignition is not on;
- Ultrasonic sensor does not detect movement. It is possible to disable, [item 6.5](#).
- Reset function will be canceled, when activating the remote alarm function.



**5 TURNING SIGNALS:** The alarm times the turning signals for 10 seconds. Press the off button on the remote twice (2x), with the alarm off.



**6 CANCELLING ULTRASOUND:** When turning the alarm on and canceling the ultrasound, [item 5.9](#), the power windows will not be closed. To close the windows and activate the ultrasound, turn off and on the alarm by remote control.



### **7 HOME function of the TR2 and TR2-P control:**

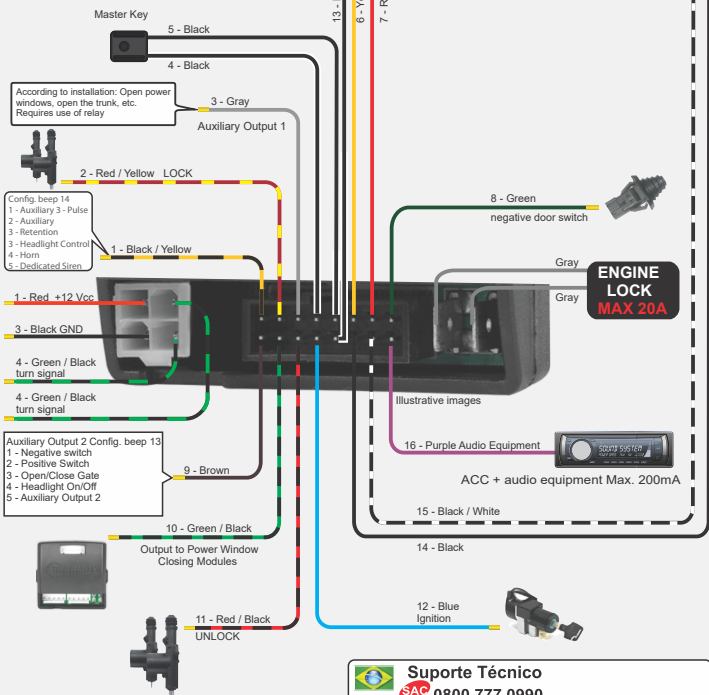
Through the HOME key of the TR2 and TR2-P controls, it is possible to activate the gate operator or residential alarm, without using an auxiliary module, only registering the control in the operator's central.

The TR2 or TR2-P control must be registered according to the manufacturer's instructions, as if it were a control of the same brand as the gate or residential alarm.

Suitable for CODE LEARNING systems.

# Installation Scheme:

**ATTENTION:** The TW30 G4 LINE has a new Ultrasound transmitter.  
In case the old alarm central is replaced by G4, the transmitter sensor (right side sensor, without LED) must also be replaced by the new one.



Config. Beep 11  
VW mode G6, G7 and UP



**Suporte Técnico**  
**SAC 0800 777 0990**

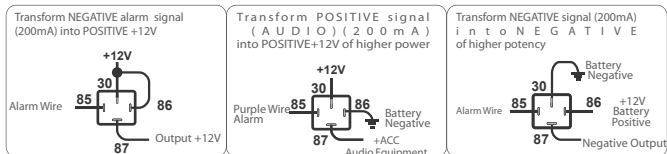


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## 10) Relay Connections

The lock, unlock, auxiliary and audio equipment outputs handle a maximum of 200mA. If you need to install equipment with a consumption higher than 200mA, relays must be used.



## 11) VW G6 and G7 Electric Lock and Window Connections

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

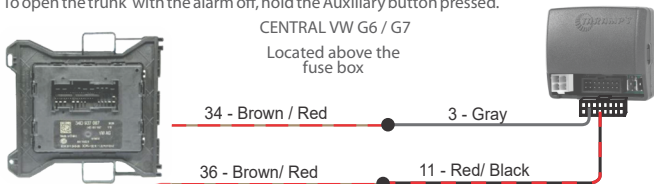
Window activation signal setting = **VW G6 / G7, item 11.**

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

To open the trunk with the alarm off, hold the Auxiliary button pressed.

CENTRAL VW G6 / G7

Located above the fuse box



**Attention:** The trunk opener function will only work in vehicles with original electrical trunk opening system. For a perfect operation, ground the alarm module properly. Some wire colors may change without prior notice from the assembler. Test before making the connections.

### Set Signal for Window/Electric Lock activation:

- With the door open, turn the ignition on.
- Hold the master pressed until beep 11.
- 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.

Select the Beep 11 function



Configure



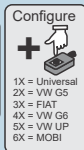
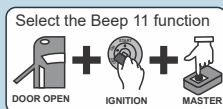
1X = Universal  
2X = VW G5  
3X = FIAT  
4X = VW G6  
5X = VW UP  
6X = MOBI

## Window Activation Settings (continued)

### Set up Signal for Window/Electric Lock activation

- With the door open, turn the ignition on.
- Hold the master pressed until beep 11.
- 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 on the Master, the alarm confirms with 1 beep. After turning the ignition, off the alarm will confirm the new setting with beeps.

**11.1 Universal Mode:** Negative signal 15 seconds.

**11.2 VW G5 Mode:** Gol, Saveiro, Voyage generation 5) Manufactured after February 2009, with original window and power 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.

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

**11.4 VW G6 and G7 mode:** Gol, Saveiro, Voyage generation 6 and 7), with original power windows. Connect the Red / Black alarm wire to the Brown / Red wire, pin 36, from the original central 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.

To open the Trunk, connect the Gray wire from the alarm to the Brown / Red wire, pin 34 from the original central located above the fuse box.

**NO RESISTOR NEEDED.**

**11.5 VW UP:** Only LOCK and UNLOCK.

Connect the Red / Black alarm wire to the Brown / Green wire located on the left column of the vehicle.

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

## 12) G2 Ultrasound Sensors

Fix 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. Table Follows below:

New Transmitter\*  
(See page 10)

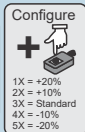
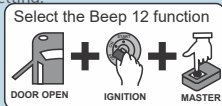


Click	Sensor Sensitivity	Alarm Response
1 Time	+20%	1 Beep
2 Times	+10%	2 Beeps
3 Times	<b>Factory Standard</b>	3 Beeps
4 Times	-10%	4 Beeps
5 Times	-20%	5 Beeps

### Set Ultrasound Sensitivity

- With the door open, turn the ignition on.
- Hold the master pressed until beep 12.
- 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 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.

## 12.1) 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 alarm trigger:

- 1 flash - ignition
- 2 consecutive flashes- ultrasound sensor.
- 3 consecutive flashes- doors, hood or trunk.

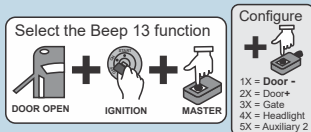
## 13) Set up Auxiliary Output 2 - brown wire

### Programming by Master

- With the door open, turn the ignition on.
- Hold the master pressed until beep 13.
- The alarm responds by informing the current setting:

- 1 Beep** = Reads Negative switch
- 2 Beeps** = Reads Positive switch
- 3 Beeps** = Open/Close Automated Gate
- 4 Beeps** = Reads Headlight On/Off
- 5 Beeps** = Junto com Saída Auxiliar 3

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



#### 1) Reads Negative switch.

For installing in a door switch, hood or trunk with a Negative signal, when open.

#### 2) Reads Positive switch.

For installing in a door switch, hood or trunk with a Negative signal, when open.

#### 3) Open/Close Automated Gate.

Function to open the automated residential gate through the vehicle's High beams signal.

#### Operation:

With the ignition on, 2 touches on the high beams key (flash) to open or close the gate.

It is not necessary to apply any type of programming in the gate operator central.

#### Installation:

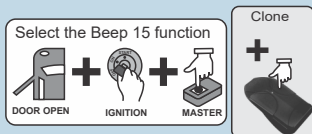
- Connect the Brown wire to the high beams flasher signal.
- Clone the original gate control in the TW30 G4 central

**Attention:** Function is compatible only with operators that use the CODE LEARNING code system.

## 13.1) Clone Gate Control - Only for TW20 and TW30 G4

### Programming:

- With the door open, turn the ignition on.
  - Hold the master pressed until beep 15.
- When releasing the master, the siren will sound a long beep.
- Hold down the control button that open the gate until the alarm beeps 3, confirming the recording.
  - Turn off the ignition to exit programming.



**Attention:** Connect the BROWN WIRE to the HIGH BEAMS switch signal before cloning the control, for automatic setup of POSITIVE or NEGATIVE signal type. Cloning the original Gate control will automatically change the brown wire setting to Open/Close Automated Gate.

## 13.2) Auxiliary Output 2 Setup- brown wire

### Programming by Master

- With the door open, turn the ignition on.
- Hold the master pressed until beep 13.
- The alarm responds which the current setting is :

- 1 Beep** = Reads Negative switch
- 2 Beeps** = Reads Positive switch
- 3 Beeps** = Open/Close Automated Gate
- 4 Beeps** = Headlight On/Off Warning
- 5 Beeps** = Auxiliary Output 2



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

### 4) Headlight Warning On/Off.

After 10 seconds with the ignition on, the ultrasound LED will flash warning that the headlight is off, turning on the headlight the LED goes out.

When turning the ignition off and opening the door with the headlight on, the alarm sounds a long beep.

### 5) Auxiliary Output 2.

It is used to open power windows, for instance, or, with Aux Output 3, to start the vehicle. Necessário o uso de Relé Auxiliar.

### Activate Auxiliary outputs 2 and 3

- Press and hold the OFF key on the control with the ignition off and the alarm off.



+ than 3 seconds

## 14) Setup Auxiliary Output 3 - black/yellow wire

### Programming by Master

- With the door open, turn the ignition on .
- Hold the master pressed until beep 14.
- The alarm responds which the current setting is:

- 1 Beep** = Auxiliary Output 3 Pulse
- 2 Beeps** = Auxiliary Output 3 Retention
- 3 Beeps** = Headlight Control
- 4 Beeps** = Output to Horn
- 5 Beeps** = Dedicated siren output



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

## Activate Auxiliary outputs 2 and 3

- Press and hold the OFF key on the control with the ignition off and the alarm off.



+ than 3 seconds

## Auxiliary Output 3 - black/yellow wire (200mA positive) - continued

### 1) Auxiliary Output 3 - PULSE - Positive signal +12V.

Output activated WITH auxiliary output 2.

With the alarm and ignition off, holding the remote control Off button for more than 3 seconds activates the outputs, auxiliary 2 (negative signal) and auxiliary 3 (positive signal). When releasing the button, it stops the signals.

### 2) Auxiliary Output 3 - HOLD - +12V positive signal.

Output activated WITH auxiliary output 2.

In this setting the Auxiliary 3 output is activated after pressing the control's Off button for more than 3 seconds, keeping it pressed, after other 2 seconds it also activates Auxiliary 2. Releasing the Off button, for the Auxiliary 2 signal and the Auxiliary output 3 will remain on (HOLD). Auxiliary output 3 will only be turned off when pressing the control's Off button again.

Example of Operation:

To start the vehicle, connect the black/yellow wire to the relay for connecting the key post and the brown wire to the starter motor relay.

- Holding the control off button pressed, first activates the black/yellow wire, turning on the ignition, then activating the brown wire, activating the starter motor, release the off button after the engine starts running.

As the black/yellow wire (Auxiliary output 3) is in hold mode, the ignition will remain on keeping the engine running.

- To turn off the engine (black/yellow wire), press the off button on the control again.

## **WARNING: Risk of accidents in case of incorrect installation.**

**It is necessary to use sensors and relays so that it is only possible to activate the vehicle's starter motor with the gearshift in the NEUTRAL position.**

### 3) Headlight control

Automatically turns the headlight on 5 seconds after turning on the ignition and turns off the headlight when turning off the ignition and opening the door. Relay use required.

### 4) Horn Output

With this setting the vehicle's horn or another one can be used. The horn will sound when switching on, off or when the alarm goes off. If you do not want the on/off tone, cancel by programming. The use of auxiliary relay is required.

### 5) Dedicated Siren Output

With this setting, a wired Dedicated Siren can be installed, with or without wireless. Only use dedicated siren, 12 volt siren can not be installed.



## 15) Open and Close Automated Gate - exclusive to TW30 G4

### Programming:

- With the door open, turn the ignition on.
  - Hold the master pressed until beep 15.
- When releasing the master, the siren will sound a long beep.
- Hold pressed the button that opens the gate until the alarm beeps 3, confirming the recording.
  - Turn off the ignition to exit programming.



### Operation:

With the ignition on, doors closed, press the high beams key (flasher) twice to open or close the gate.

It is not necessary to do any type of programming in the gate operator central.

### Installation:

- Connect the MR wire to the high beam flasher signal.
- Clone the original gate control in the TW30 G4 central.

Attention: Function compatible only with operators that use the CODE LEARNING code system.

## 16) Turn Alarm on by distancing:

This function is used to turn on the alarm only when pulling the TR2-P G4 remote control away from the vehicle. After turning off the ignition, opening and closing the vehicle door, and moving the control beyond the transmission range, within 15 seconds the alarm will turn on.

According to the setting the alarm will:

**1st Beep** = Disabled, the alarm will only turn on/off when pressing the Control Buttons.

**2nd Beep** = Turns on the alarm by moving the control away without locking the doors, it will only turn off the alarm by pressing the control's Off button.

**3rd Beep** = Turns the alarm on by pulling the control away and locks the doors, it will only turn off the alarm and unlock the doors by pressing the Off button on the control.

**4th Beep** = Turns the alarm on by pulling the control away and locks the doors. Turns off the alarm and unlocks the doors by pressing the control's Off button or by bringing the TR2-P G4 control closer to the vehicle and waiting for the automatic transmission.

**ATTENTION: EXCLUSIVE function of the TW20 and TW30 G4 range with TR2-P G4 control.**

### Programming by Master

- With the door open, switch on the ignition.
  - Hold the master pressed until beep 16.
  - The alarm responds with the current setting:
- 2 Beeps** = Turns on the alarm without locking
- 3 Beeps** = Turns on the alarm and locks
- 4 Beeps** = Turns On and Lock s/ Turns Off and Unlocks



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

## 17) Siren ST 200 (wireless) - exclusive to TW30 G4

**Attention:** The Siren ST 200 has a wireless communication system with the TW30 G4 alarm central, it is not necessary to stretch the wire from the engine compartment to the interior of the vehicle, to connect the siren and the hood switch to the central of the alarm. The ST 200 siren is factory configured to work with the TW30 G4 central.

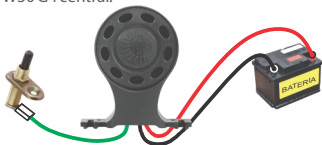
### Installation:

Red at +12 Volts

black to negative

Green to hood switch. (optional).

**ATTENTION:** The siren cannot be fixed near places with high temperatures such as the exhaust.



**PATENT  
REQUIRED**

**Process Number:**  
BR 10 2019 010307 8

### Register a new SIRENE ST 200.

- Connect the Red wires to +12 Volts and the Black wire to GND.
- Within 60 seconds after switching on the siren power, press and release the hood switch 4 times, if the green wire is not connected to the switch, ground and release 4 times.
- The siren will sound a long beep, informing that it has entered learning mode.
- Press the control on and off keys simultaneously, already registered in the alarm center.
- The siren will sound 3 beeps confirming the recording.



## WARRANTY TERM

TARAMPS, located at Rua Abílio Daguano, 274 Res. Manoel Martins - Alfredo Marcondes - SP, ZIP 19.180-000, 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.

### This warranty excludes:

- Products damaged by incorrect installation, water infiltration, tampering by unauthorized persons;
- Natural wear components: such as battery;
- Scratched or torn warranty seal;
- Cases where the product is not used under normal 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.

Departamento de assistência técnica de fábrica:

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

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E-mail: service@taramps.com.br



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



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