WORKING MODE SETTINGS AND BLACK WIRE POLARITY

For the management of the different activation/deactivation functions of Firewall OBD2, please press 5 times the button of the module

ORANGE flashes of the module's led represents the option number, RED flashes the status of the option.
To scroll options press quickly the button of the module.
To change option status press the button 5 seconds.

ORANGE LED NUMBER OF THE OPTION	RED LED: STATUS 1	RED LED: STATUS 2
1 ORANGE FLASH ACTIVATION THROUGH BLACK WIRE WITH OEM ALARM SIGNAL SETTING AVAILABLE / NOT AVAILABLE	1 RED FLASH SOLID SIGNAL	2 RED FLASHES MISSING SIGNAL
2 ORANGE FLASHES ACTIVATION THROUGH BLACK WIRE WITH OEM ALARM SETTING OF THE SIGNAL POLARITY REFERENCE	1 RED FLASH GND POLARITY	2 RED FLASHES 12 VDC POLARITY
3 ORANGE FLASHES NUMBER OF PULSES FOR ACTIVATION-THROUGH BLACK WIRE	1 RED FLASH 1 PULSE PERMANENT SIGNAL	2 RED FLASHES 3 PULSES ACTIVATION THROUGH IGNITION
4 ORANGE FLASHES NUMBER OF PULSES FOR ACTIVATION-THROUGH BLACK WIRE	1 RED FLASH ENABLING OF THE MODULE CONTROL THROUGH REMOTE CONTROL AND BLACK WIRE	2 RED FLASHES ENABLING OF THE MODULE CONTROL THROUGH REMOTE CONTROL ONLY

The number of ORANGE flashes of the module LED represents the displayed number of the option and the RED flashes indicate the status of the option.
WARNING: during the programming mode, if for 5 seconds you do not any press remote control button, the system automatically exits from the programming mode.

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Firewall OBD2

TÜV
Nr.50 100 6307 Rev. 01
UNI EN ISO 9001:2008

WARRANTY CONDITIONS

Firewall OBD2

INTRODUCTION

First of all, congratulation for choosing a Paser product.

Firewall OBD2 represents the return of Paser in the world of car alarms.
Faced with a deep experience in the field of cars and CAN-bus technology alarms, Paser merges the two knowledge and introduces to the car alarms market a new weapon against increasingly sophisticated theft systems.

It is well known, in fact, that now many burglars use duplicators car keys to sabotage in few operations the alarms installed.
Through vehicles OBD2 port in fact, it is possible to code new keys so to defuse the alarm.

Paser suggests FIREWALL OBD2 to remedy the above drawback.

The module in question allows you to create a defence to the OBD2 port, so that in the unfortunate event that someone try to program a new key to the vehicle, the system will deceive the programming device, consequently preventing all communications with the vehicle.

KIT PARTS

By default, the kit consists of the following parts:

- 1 Firewall OBD2 electronic unit;
- 1 manual of installation / use;
- 1 warranty card
- 1 plastic screwdriver to make all settings

based on the versions and not included in the default kit, you need:

- 1 Plug and Play harness (please see compatibility codes on the site www.paser.it/firewall/)
- 1 two-channels remote control (in stand alone mode with remote control)

DEFAULT SETTINGS

Firewall has different working modes.
The default kit is set as stand alone controlled by remote control (not supplied).
The default kit has the wire input (BLACK wire) set to negative polarity, this means that, when connected to GND, the wire in object activates Firewall OBD2 unit.

INSTALLAZIONE

The installation is very easy and completely plug and play.
You need to locate the OBD2 port of the vehicle (in case suggestions are needed, please refer to www.paser.it/firewall/).

Then you have to connect in series to the original OBD2 connector, the harness supplied in the kit and to engage the OBD2 socket of the harness in place of the original OBD2 one.

SETTINGS

Firewall OBD2, as seen earlier in this manual, can works in different modes.
Each kit regardless of how it is set up, properly programmed can operate in a different mode than the default one.

Here below the description of the different settings.

REMOTE CONTROL

RESET

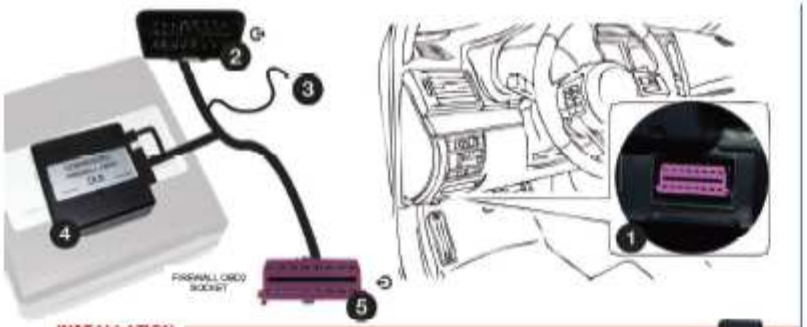
The module can be supplied with a remote control for the activation/deactivation of the OBD2 port.
In case you need to clear the remote control memory, so please press the Firewall OBD2 button until the LED will become ORANGE, then to release the key.
The LED returns to solid GREEN.

PROGRAMMING

To program a new remote control it's necessary that the module is OFF with LED GREEN, now please press 3 times the Firewall button: the LED will light ORANGE.
Please press the button again and hold it pressed until the LED begins to flash ORANGE:
Then, please press one of the remote control buttons: the LED will become GREEN and the remote control is memorized.

WARNING: during the programming mode, if for 5 seconds you do not press any remote control buttons, the system automatically exits from the programming mode.

DIAGRAM 4 code CF0044UNUN12
FIRWALL CONNECTIONS WITH REMOTE CONTROL (STAND ALONE MODE)



INSTALLATION

1. Please identify the location of the original vehicle OBD2 port (www.paser.it/firewall/location) and then remove the connector from its housing;
2. Please connect the male OBD2 plug to the original OBD2 socket (1);
3. Connect to a hidden switch.
4. Please connect the Firewall OBD2 module to multi-way connectors of the OBD2 harness of the kit;
5. Please connect the harness OBD2 socket of the kit in the same place where it was connected to the OEM plug.

HOW IT WORKS?

The unit supplied with remote control follows this procedure for the activation/deactivation of the OBD2 port:

The remote control has 2 buttons, please refer to the diagram below:

KEY PRESSURE	BUZZER	FIREWALL STATUS	FIREWALL LED	OBD2 READING
A 1	2 BEEP	OFF	GREEN	POSSIBLE
B 2	1 BEEP	ON	RED	NOT POSSIBLE

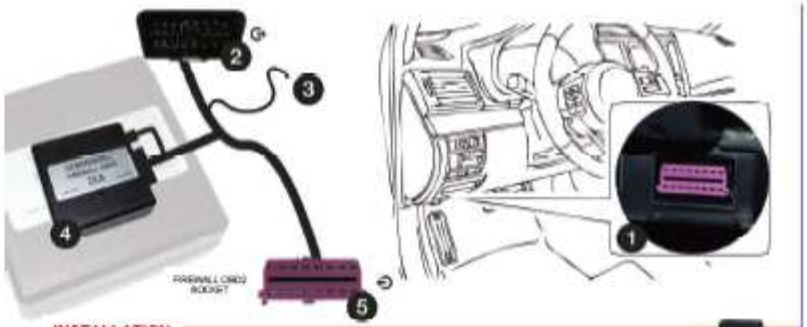
A  B

Black wire can be used, connected to a hidden switch follows the activation / deactivation logic based on the switch position as below:

STATO INTERRUTTORE	FILO NERO	STATO FIREWALL	LED FIREWALL	LETTURA OBD2
OFF	NO GND	OFF	VERDE	POSSIBILE
ON	A GND	ON	ROSSO	NON POSSIBILE

Warning!
In both configuration there are no alerts beeps trough ignition when the module OFF!

DIAGRAM 1 code CF0044UNUN61
FIRWALL CONNECTIONS WITH REMOTE CONTROL (STAND ALONE MODE)



INSTALLATION

1. Please identify the location of the original vehicle OBD2 port (www.paser.it/firewall/location) and then remove the connector from its housing;
2. Please connect the male OBD2 plug to the original OBD2 socket (1);
3. Connect to a wire ignition
4. Please connect the Firewall OBD2 module to multi-way connectors of the OBD2 harness of the kit;
5. Please connect the harness OBD2 socket of the kit in the same place where it was connected to the OEM plug.

HOW IT WORKS?

The unit supplied with remote control follows this procedure for the activation / deactivation of Firewall.

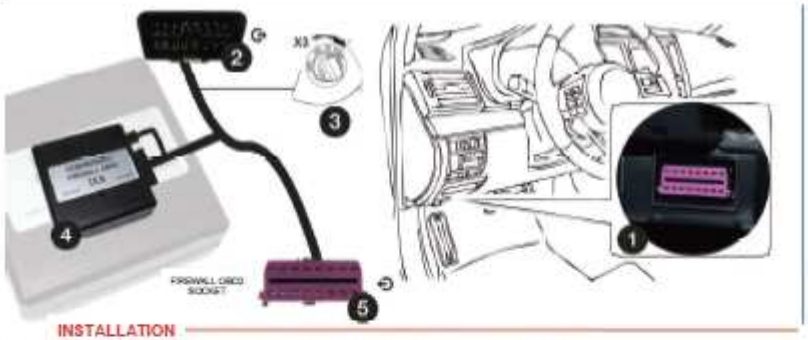
The remote control has 2 buttons, please refer to the diagram below:

KEY PRESSURE	BUZZER	FIREWALL STATUS	FIREWALL LED	OBD2 READING
A 1	2 BEEP	OFF	GREEN	POSSIBLE
B 2	1 BEEP	ON	RED	NOT POSSIBLE

A  B

Warning!
When Firewall is off (OFF) you can set it so that every turning on of the ignition, the unit emits 5 beeps: this setting allows the user to know when OBD protection is OFF.
To set this mode, please connect the BLACK wire to an ignition positive.

DIAGRAM 2 code CF0044UNUN41
FIREWALL CONNECTION WITH VEHICLE KEY (STAND ALONE ON / OFF MODE)



INSTALLATION

1. Please identify the location of the original vehicle OBD2 port (www.paser.it/firewall/location) and then remove the connector from its housing;
2. Please connect the male OBD2 plug to the original OBD2 socket (1);
3. Please connect the BLACK wire to an ignition positive;
4. Please connect the Firewall OBD2 module to multi-way connectors of the OBD2 harness of the kit;
5. Please connect the harness OBD2 socket of the kit in the same place where it was connected to the OEM plug.

HOW IT WORKS?

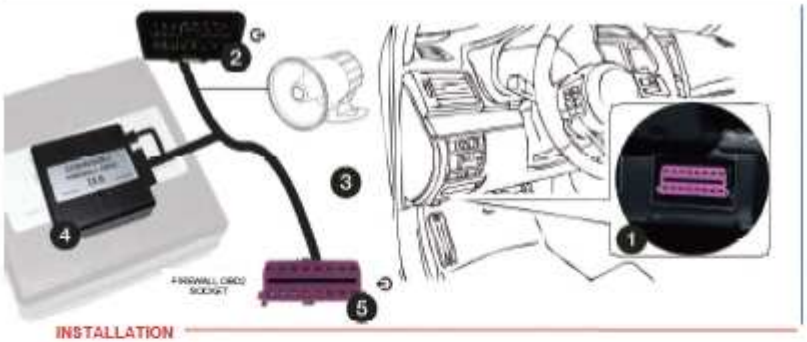
The version supplied as ignition configuration, it's a stand alone module and allows the Firewall OBD2 managing by a sequence of 3 consecutive car ignition activations.

The procedure is the following:

CONTROL PANEL TURNING ON	BUZZER	FIREWALL STATUS	FIREWALL LED	OBD2 READING
3	2 BEEPS	OFF	GREEN	POSSIBLE
3	1 BEEP	ON	RED	NOT POSSIBLE

Warning!
When Firewall is off (OFF) at every turning on of the ignition, the unit emits 5 beeps: this allows the user to know the OBD protection is OFF.
Also on this setting, it is possible to combine a remote control.

DIAGRAM 3 code CF0044UNUN31
FIREWALL CONNECTION WITH OEM CAR ALARM



INSTALLATION

1. Please identify the location of the original vehicle OBD2 port (www.paser.it/firewall/location) and then remove the connector from its housing;
2. Please connect the male OBD2 plug to the original OBD2 socket (1);
3. Please connect the BLACK wire to the negative or positive wire of the OEM car alarm (the alarm must be active);
4. Please connect the Firewall OBD2 module to multi-way connectors of the OBD2 harness of the kit;
5. Please connect the harness OBD2 socket of the kit in the same place where it was con nected to the OEM plug.

HOW IT WORKS?

The module supplied in combination with the OEM car alarm follows the activation/deactivation procedure of the OEM car alarm:

This is the procedure:

OEM CAR ALARM STATUS	BLACK WIRE	FIREWALL STATUS	FIREWALL LED	OBD2 READING
OFF	NO GND	OFF	GREEN	POSSIBLE
ON	A GND	ON	RED	NOT POSSIBLE

Warning!
It's possible to set the polarity of the black wire also to 12 VDC.
See last page programming section.