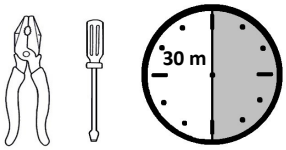
FIREWALL
INSTALLATION MANUAL



INTRODUCTION

Thank you 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.
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 COMPOSITION

On default, the kit consists of the following parts:

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

based on the versions and not included in 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 SETTING

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

INSTALLATION

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.

FIREWALL
INSTALLATION MANUAL

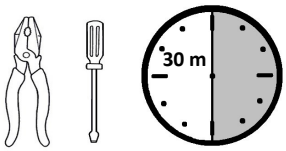
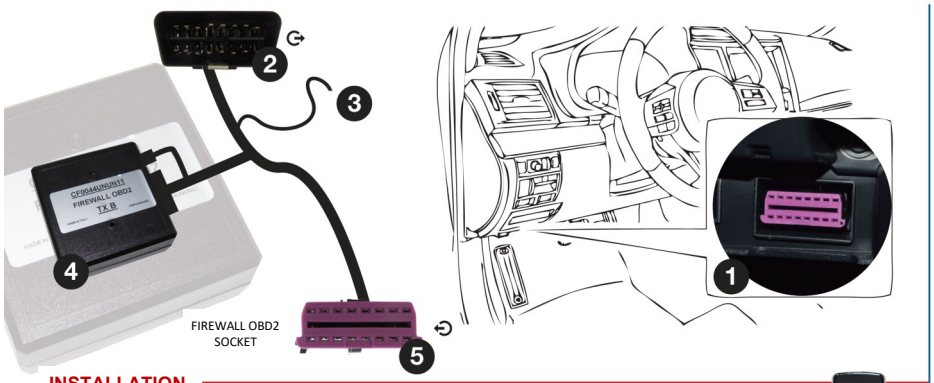


DIAGRAM 1 code CF0044UNUN61 FIRWALL CONNECTIONS WITH REMOTE CONTROL (STAND ALONE MODE)

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.

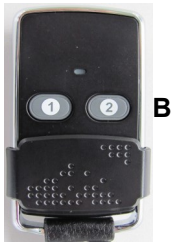


INSTALLATION

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:

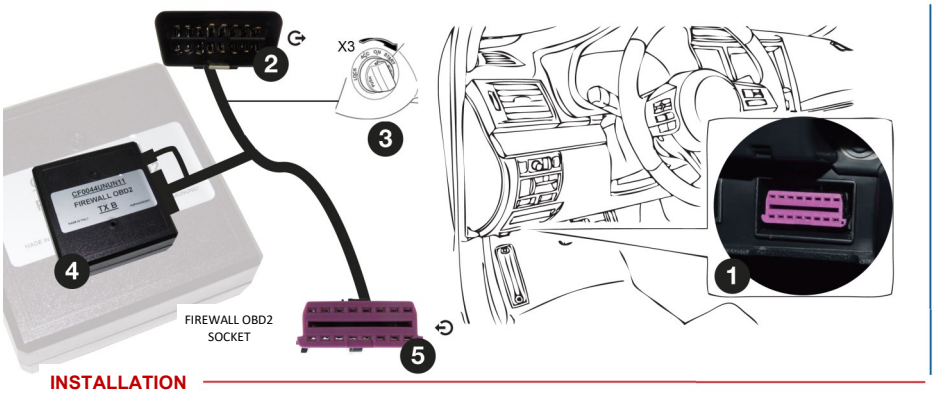
BUTTON PRESS	BUZZER	FIREWALL STATUS	FIREWALL LED	OBD2 READING
A 1	2 BEEP	OFF	GREEN	POSSIBLE
B 2	1 BEEP	ON	RED	NOT POSSIBLE



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)

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.



INSTALLATION

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.

FIREWALL
INSTALLATION MANUAL

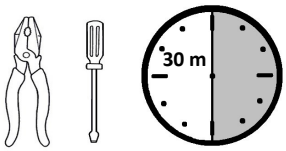
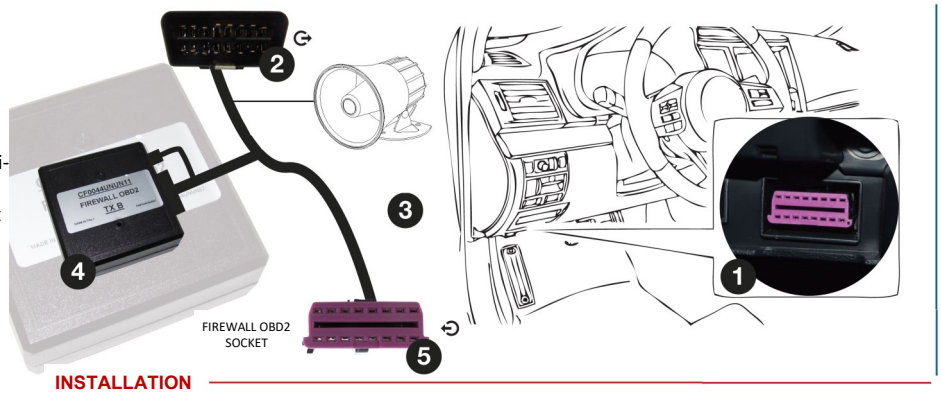


DIAGRAM 3 code CF0044UNUN31 FIREWALL CONNECTION WITH OEM CAR ALARM

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.



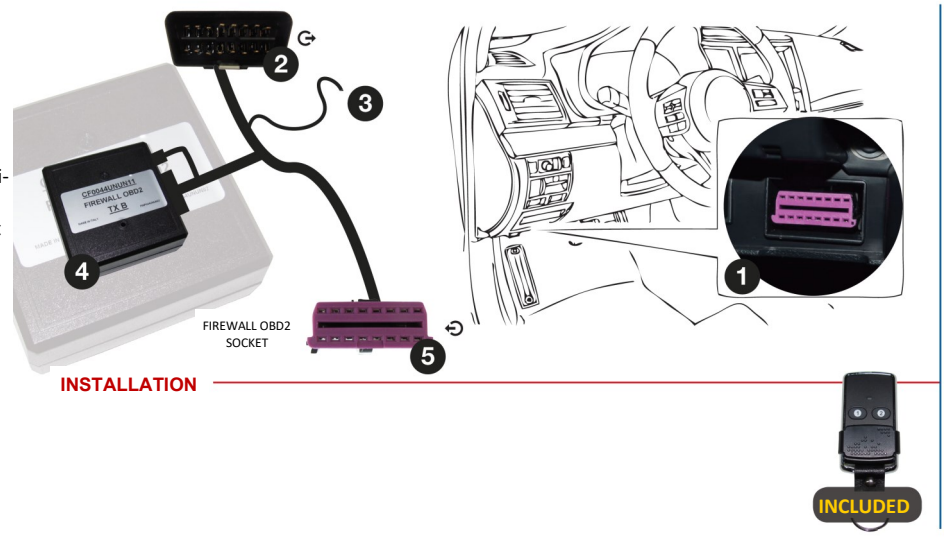
HOW IT WORKS?

The 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

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

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 the OBD2 port:
The remote control has 2 buttons, please refer to the diagram below:

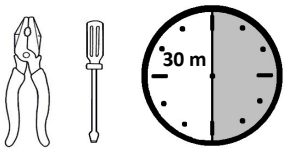
BUTTON PRESS	BUZZER	FIREWALL STATUS	FIREWALL LED	OBD2 READING
A 1	2 BEEP	OFF	GREEN	POSSIBLE
B 2	1 BEEP	ON	RED	NOT POSSIBLE

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

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

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

FIREWALL PROGRAMMING



Firewall OBD2 can work in different modes.
Each kit independently as it is set up, properly reprogrammed 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 erase the remote control memory, please press 3 times the Firewall OBD2 button until the LED will become ORANGE, then press the button till the LED lights GREEN. The memory is erased.

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 LED begins to flash ORANGE:
Then, please press one remote control buttons: the LED will become GREEN . Remote control is memorized.

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.
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.

LED ORANGE OPTION NUMBER	LED RED STATE 1	LED RED STATE 2	LED RED STATE 3	LED RED STATE 4
1 FLASH ORANGE	1 FLASH RED	2 FLASHES RED	3 FLASHES RED	4 FLASHES RED
WORKING MORE	THROUGH WIRE GND OR 12VDC	THROUGH REMOTE CONTROL WITH BUZZER ALERT IF WIRE TO IGNITION	THORUGH REMOTE CONTROL AND WIRE	THORUGH REMOTE CONTROL AND WIRE WITH 3 IMPULSES
2 FLASHES ORANGE	1 FLASH RED	2 FLASHES RED		
ACTIVATION WIRE POLARITY	GND POLARITY	12 VDC POLARITY		

WARNING: if for 30 seconds you do not press any remote control buttons, the system exits from the programming mode automatically.