Ignition Blocking Relay

1 Introduction

1.1 About the Accessory

The ignition blocking relay is a changeover relay, that is used with the tracking device to block the engine from being started under certain conditions. A digital output (DOUT) is used to control the relay.

1.2 Legal Information

1.3 Compatibility

The ignition blocking relay is compatible with the following devices with the newest firmware version:

- HCV5
- LCV5
- Pro5
- Trace5
- FM-Tco4 HCV
- FM-Tco4 LCV
- FM-Pro4
- FM-Eco4
- FM-Eco4 S
- FM-Eco4 T

1.4 Contact Information

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1.5 Document Changelog

Version	Date	Modification
2.0	2021-03-23	Updated: Manual structure and design.

1.6 Notations

The following notations are used in this document to highlight important information:

Bold text

Used to indicate user interface elements or for emphasis.

Italic text

Used to indicate items that belong to a list and can be selected.

Note

Used to highlight important information or special conditions.

Tip

Suggestions on how to proceed.

Warning

Used to mark actions that may cause irreversible damage if performed incorrectly.

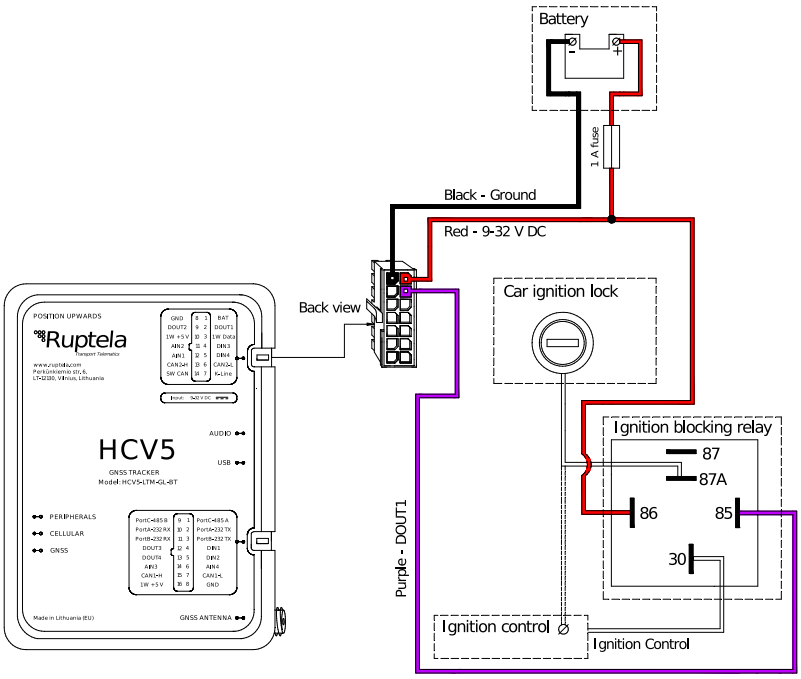
2 Connection

2.1 Connection to 5th Gen Advanced Family Devices

The relay must be connected **ONLY** to the ignition system. Connecting it to any other location is unsafe and may stop the vehicle during operation, damaging it and injuring the driver.

For light vehicles you must use the 12 V 40 A relay, and for trucks 24 V 40 A relay.

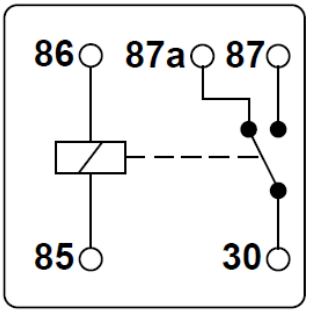
Connect the ignition blocking relay to your tracking device as follows:



Alternatively, pin 85 can be connected to DOUT2 (orange wire, pin 9), DOUT3 (white/purple wire, pin 12), DOUT4 (white/orange wire, pin 13).

For further event configuring please see the **DOUT Activation with Conditions** manual.

Pin number	Function
85	Coil
86	Coil
87	Normally open (NO)
87a	Normally closed (NC)
30	Common connection to NO and NC pins

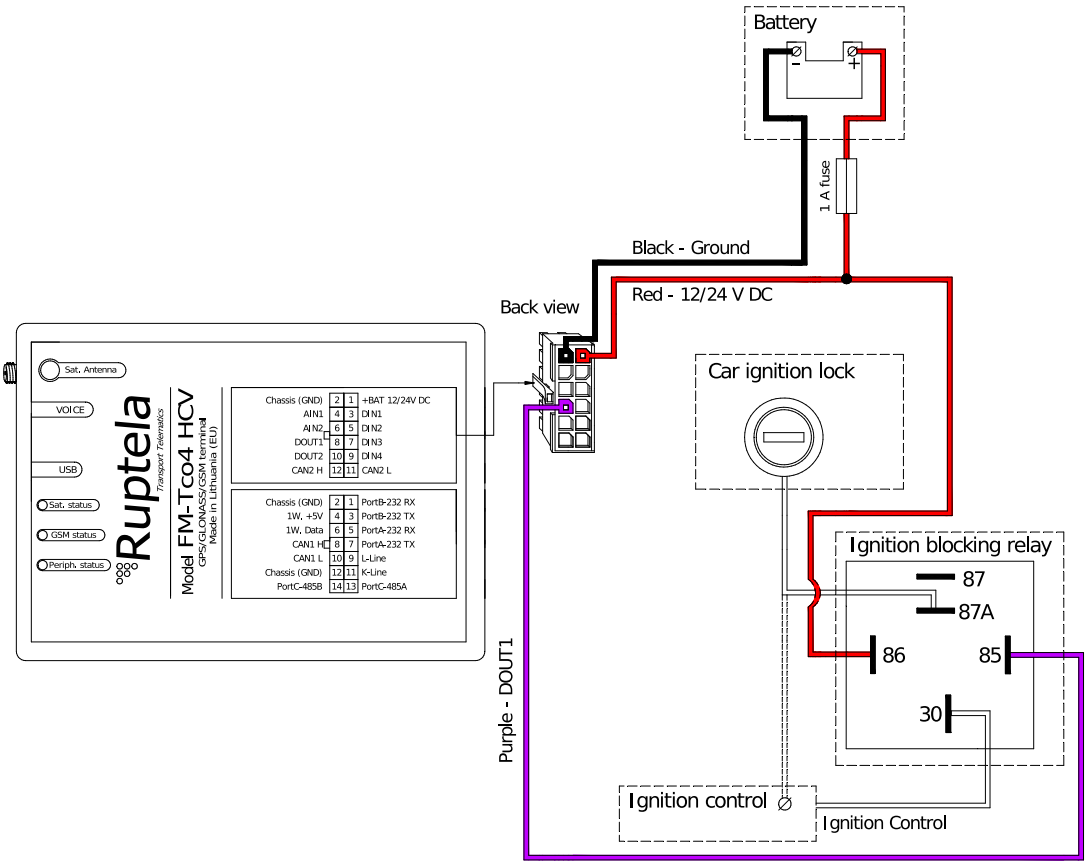


2.2 Connection to 4th Gen Advanced Family Devices

⊘ The relay must be connected **ONLY** to the ignition system. Connecting it to any other location is unsafe and may stop the vehicle during operation, damaging it and injuring the driver.

For light vehicles you must use the 12 V 40 A relay, and for trucks 24 V 40 A relay.

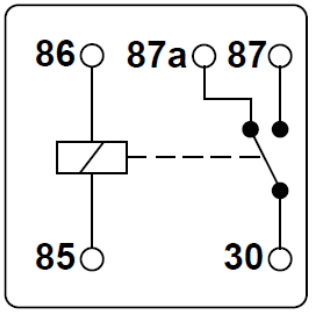
Connect the ignition blocking relay to your tracking device as follows:



ℹ Alternatively, pin 85 can be connected to DOUT2 (orange wire, pin 10).

ℹ For further event configuring please see the **DOUT Activation with Conditions** manual.

Pin number	Function
85	Coil
86	Coil
87	Normally open (NO)
87a	Normally closed (NC)
30	Common connection to NO and NC pins

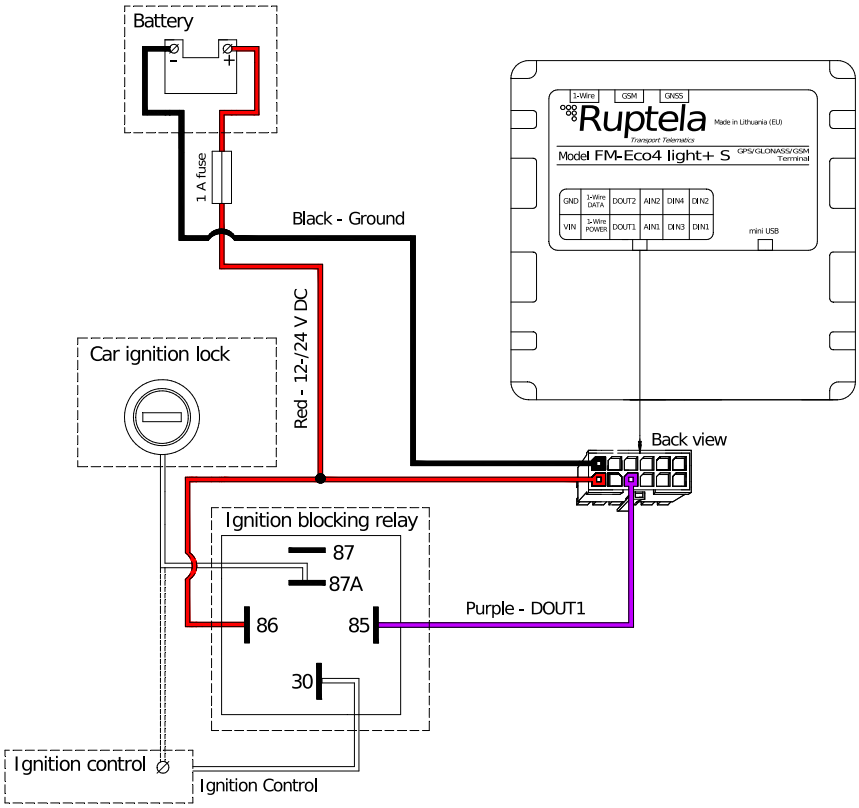


2.3 Connection to FM-Eco4 Series Devices

The relay must be connected **ONLY** to the ignition system. Connecting it to any other location is unsafe and may stop the vehicle during operation, damaging it and injuring the driver.

For light vehicles you must use the 12 V 40 A relay, and for trucks 24 V 40 A relay.

Connect the ignition blocking relay to your tracking device as follows:



Alternatively, pin 85 can be connected to DOUT2 (orange wire).

For further event configuring please see the **DOUT Activation with Conditions** manual.

Pin number	Function
85	Coil
86	Coil
87	Normally open (NO)
87a	Normally closed (NC)
30	Common connection to NO and NC pins