

FIFOTRACK RELAY

USER GUIDE



Model: Relay

Version: V1.1

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Document History

Version	Revision Date	Author	Detail
V1.1	July 15, 2021	Cici Wu	Initial Version

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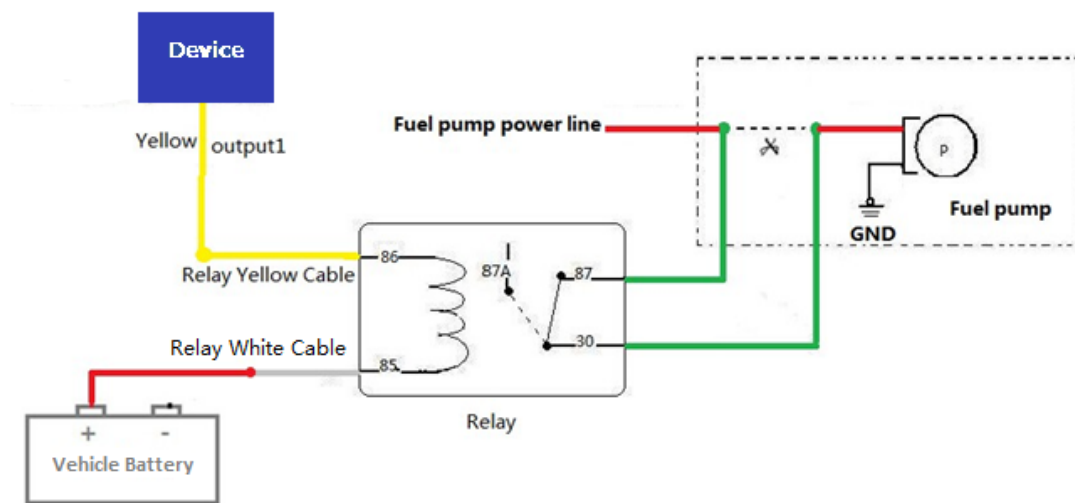
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1 Product Overview

The relay is an automatic switch. Working together with the GPS tracker, the user is able to control the relay remotely, then control the connected object through relay.

One of the common applications is the vehicle immobilize/mobilize remotely (some customers also call it stop/resume vehicle engine). In this application, the user uses the relay to control the power supply line of the fuel pump.

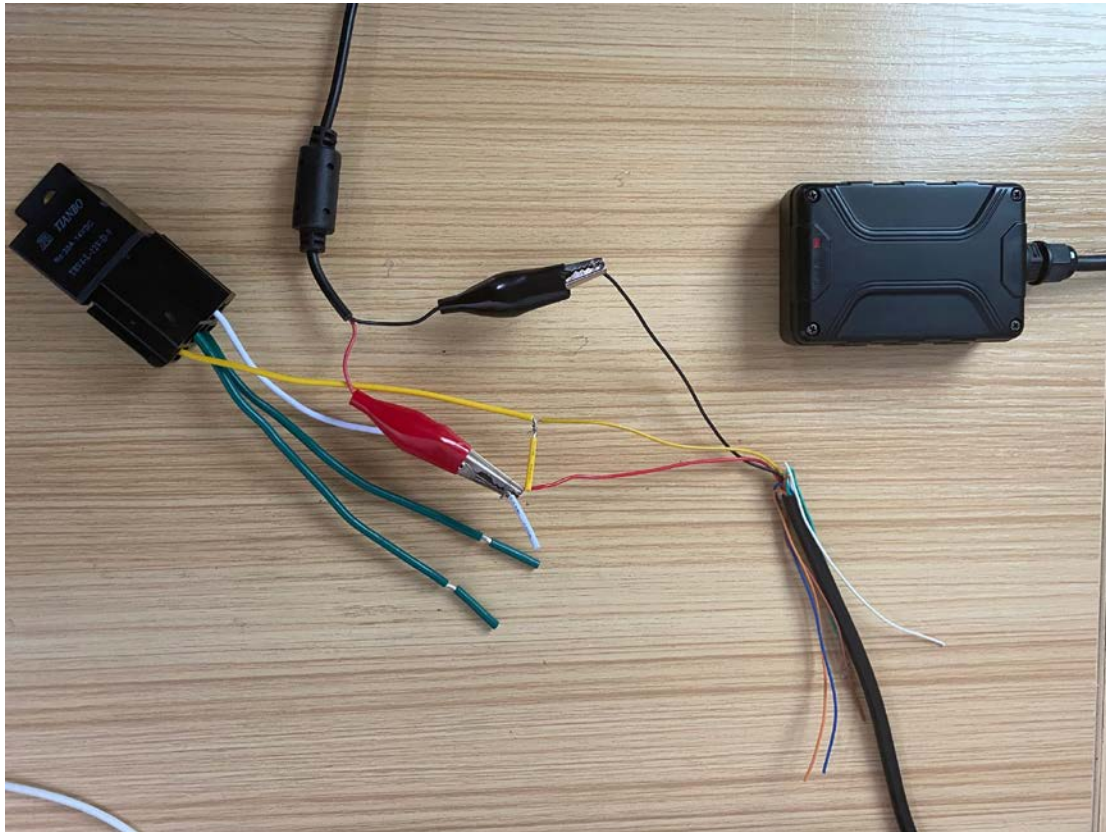
2 Wire diagram



Wire connection description (vehicle immobilize/mobilize)

Relay	Power wire (white, 85)		GPS tracker	VCC wire (Red)
	Signal wire (yellow, 86)			output1 (yellow)
	green wire (87)	(Cut Fuel pump power supply line, connect to side A)	Cut fuel pump power supply line	Side A
	green wire (30)	(Cut Fuel pump power supply line, connect to side B)		Side B

Wire connection picture



3 Command to control the relay

SMS command: **000000,B12,<index>,<action>,<safe_speed>**

For example: **000000,B12,1,1,20**

000000: Default SMS command password, you can set own password.

B12: command for output control

1: output port option, output1 is "1", output2 is "2"

1: output state control, "0" is output low level=resume vehicle, "1" is output high level=stop vehicle

20: speed limit, unit km/h, range 1-300. Command only executes when the speed is below the speed limitation. Here is below 20km/h.

4 Troubleshooting

If a relay doesn't work well, below are the main reasons to be checked.

1. Is the relay from us directly

We suggest order relay from us. If the relay is not from us, depends on the relay default working mode, it is possible you need to send the opposite command to control the relay:

000000,B12,1,0 to immobilize the vehicle

000000,B12,1,1 to mobilize the vehicle

2. Your relay is 12V or 24V?

The common relay are two options, 12V or 24V. If your vehicle's battery is 12V, but you are using the 24V relay, the relay can't work.

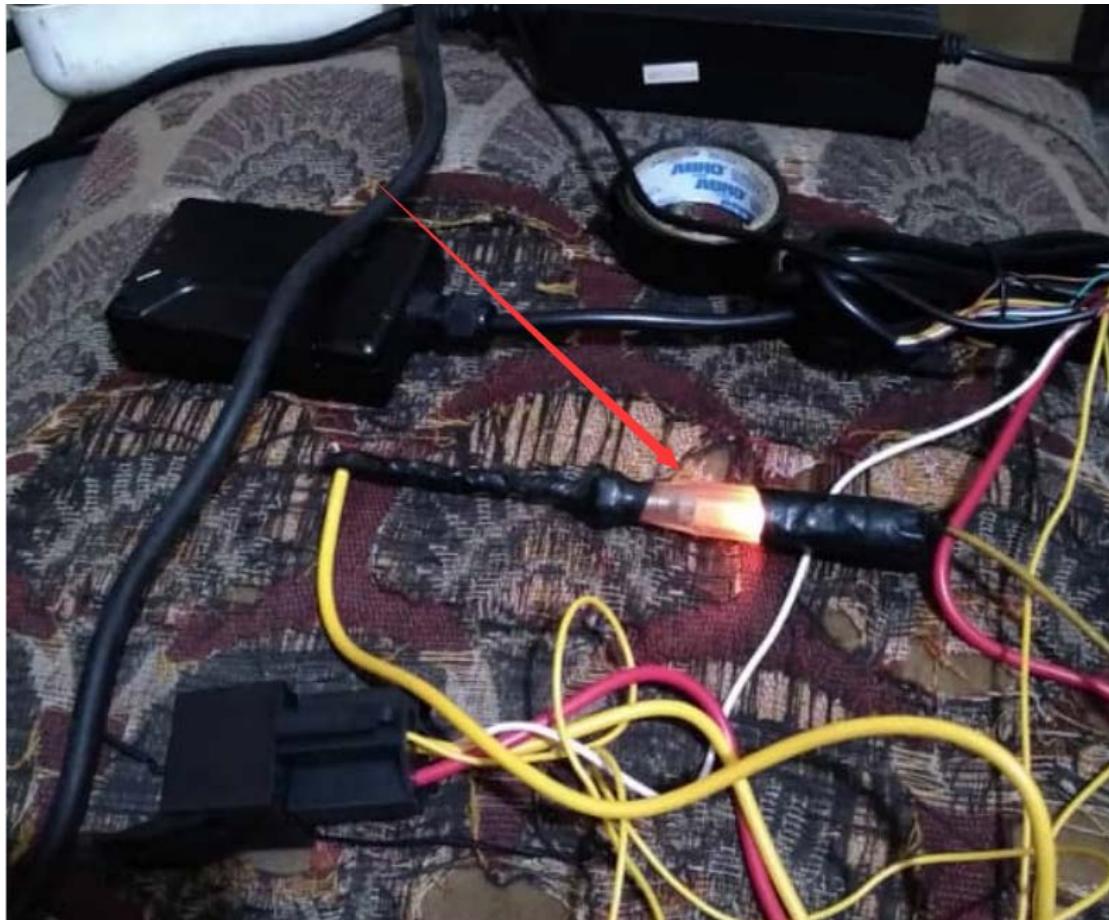
3. Wrong wire connection between the GPS tracker and relay

To identify the wire connection, you can send command to control the relay. If the wire connection is correct, you will hear the relay action "DI-DA" voice after the command sent

4. Wrong wire connection between the relay and fuel pump power line

Before vehicle installation, you can use a light to test.

If the relay can control the light well, it means the wire between the GPS tracker and relay is correct, your command is correct. So you only need to focus on the relay and fuel pump power line correct connection.



5. The output and command are not matched

Our A series models have two outputs, output1 and output2.

We suggest always use the output1 for relay

Few customers connect the relay to output2 but they send command for output1, that's why the relay can't work.

Please e-mail us at info@fifotrack.com if any question or feedback.