

4 Channel Controller - RF4



Thank you for choosing HKI AIR SUSPENSION products to control your air suspension.

Our mission is to provide the best experience for you and your vehicle. Our commitment is huge, from development, manufacture, service, sale and warranty.

This manual will provide all important information for the correct and safe use of our products.

However, if you have any difficulties or if you have any questions that are not addressed in this document, please feel free to contact our team.

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SUSPENSION

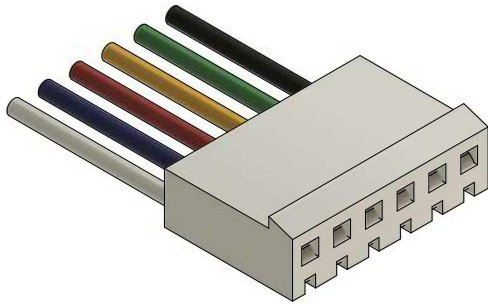
The ability to control the height of the vehicle equipped with air suspension is the great difference between this system and any other method of lowering the vehicle.

As such, the RF4 control is the simplest and most robust method you can find available for doing this.

With it, it is possible to rise and lower your vehicle through a remote control.

The electrical system has 4 channels and can be used in pneumatic systems with 4, 6 or 8 valves without any problem.

Installation Orientation



The RF4 electrical harness has 6 wires, they are:

WHITE: UP A Valve
BLUE: DOWN A Valve
RED: 12v Constant
YELLOW: UP B Valve
GREEN: DOWN B Valve
BLACK: Ground

Pay Attention: There is no positive wire and negative wire in the valve coil, so choose one of the wires from each valve and connect it to the **RED** wire on the remote control. That is, the electrical scheme of the RF4 has the positive cable in common across all valves (all connected in the same cable).

The second wire from each valve must be connected to the colored wires in the electrical harness.

To maintain the integrity of your RF4 we recommend installing a 10A fuse on the 12v supply.

Information

Keep in mind that the RF4 control has 4 channels, that is, 4 electrical drives.

Therefore, when electrically installing your air suspension system it is necessary that you take this into account.

Suggestion for electrical installation

Pneumatic systems with 4 valves: One valve per channel

Pneumatic systems with 6 valves: Two channels with two pairs of valves connected and two channels with one valve connected each

Pneumatic systems with 8 valves: Two valves per channel

Remember: Keep in mind that each side of the VTANK is an independent 4-valve block, meaning each side cover of the VTANK has a pair of valves for raising and a pair of valves for lowering the bags.

It is important to understand the difference between independent pneumatic system and independent electrical system.

Independent Pneumatic System: Pair of valves for each bag. *(Each bag has its independent pressure)*

Independent Electrical System: Bag activation by air bag by control.



MAKE SURE that the vehicle is supported on trestles or that there is nothing underneath it before removing the valves, for doing this, the air bags will lose pressure.

