

# Pressure Switch



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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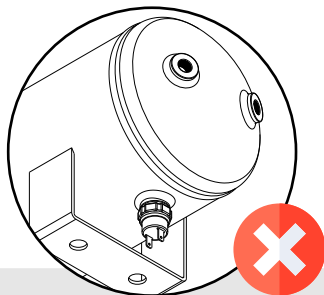
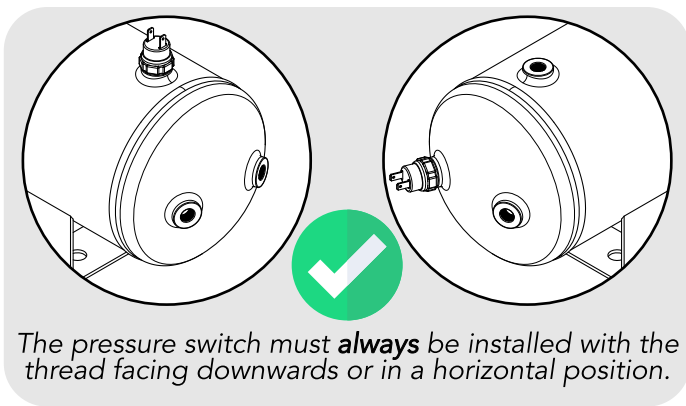


Pressure switch is a small electrical component with great importance. The device reads the pressure of the air tank and when connected to the electrical compressor relay, it is able to control the moment when the compressor needs to turn on to fill the air in the tank and turn off the compressor when the air pressure in the tank reaches the preset limit. In other words, pressure switches are responsible for controlling the system's working pressure automatically.

## Pneumatic Installation

The product reads the pressure of the air stored in the tank. Therefore, choose to install directly on the tank, if this is not possible, any other region that receives direct pressure from the tank can also be used.

For example: Air line coming from the compressor (always after the check valve) and air line supplying the valves.



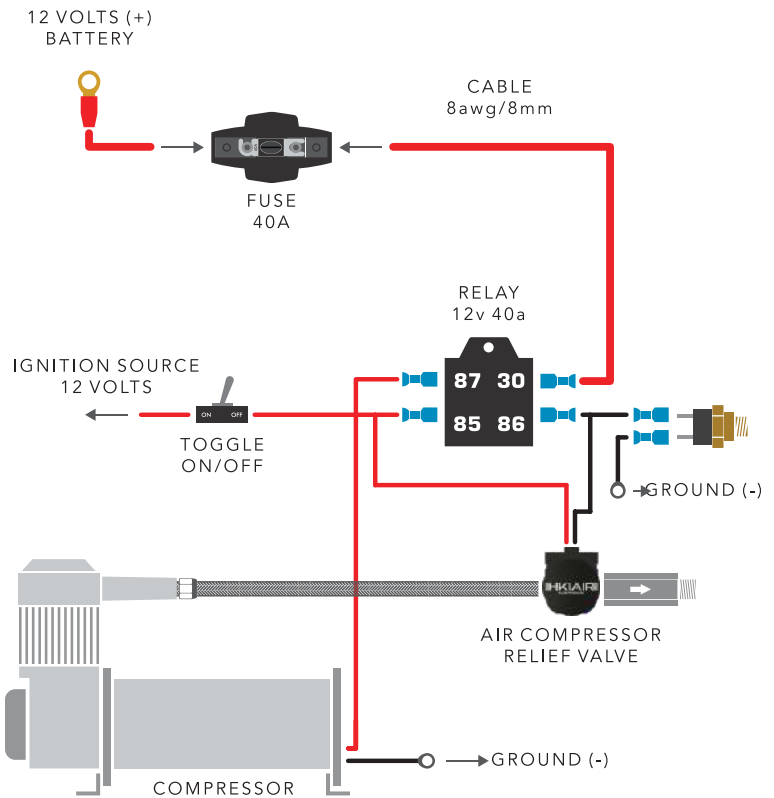
We do not indicate the installation of the pressure switch with the thread facing upwards, as this way, the internal oxidation process is constant, which can cause a malfunction of the product.

The pressure switch installation must be done by a professional and its bad installation may compromise its functionality and even harm the compressor's electrical system.

**ALWAYS** depressurize the system and disconnect the 12v power cable from the battery before mounting or dismantling the pressure switch.

## Electrical Installation

In order to maintain the functioning and durability of the product, the electrical installation must be followed as suggested below.



For the installation of two compressors, consider:

- Addition of another 12v 40a Relay with pin 86 interconnected. **In other words, the cable that will connect to one of the pressure switch poles must be the same for pins 86 of the two relays.**
- Change system fuse from 40a to 80a.
- The 12v cable coming from the battery should connect to **pin 30** on both relays.
- The positive cable of each electric compressor (red) must be connected separately to **pin 87** of each relay
- The 12v ignition source cable must connect to **pin 85**, for relay actuation, of both relays.

In this way, both compressors will always work at the same time, avoiding any overload on the electrical system.

