

Instruction Manual

Pressure Switch

61589



Illustration similar, may vary depending on model

Please read and follow the operating instructions and safety information prior to initial operation.

Technical changes reserved!

Illustrations, functional steps, and technical data may deviate insignificantly due to continuous further developments.



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Introduction

Thank you for choosing to purchase this quality product. To minimise the risk of injury, we ask you to always take some basic safety precautions when using this product. Please read this operating manual carefully and make sure that you understand it.

Keep these operation instructions in a safe place.

Safety instructions

- This device must neither be used by children nor individuals with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have received instructions concerning the use of the appliance from a person familiar with the product and responsible for their safety and are supervised by the same. Children are not allowed to perform user maintenance and should be always supervised to ensure that they do not play with the device.
- Always check the device before using it. Do not use the device if components are damaged or worn, and never disable safety devices for any reason.
- Be aware that you are responsible for the security of your working environment. Always make sure to keep it clean and well-lit as cluttered and dark working environments increases the risk of accidents.
- Be aware that extreme changes in temperature may lead to deviations of the shift point or even to a complete failure of the pressure switch.
- Only use this product in its original condition and do not perform unauthorised modifications.
- Avoid additional mechanical stress originating from vibrations or surges.
- Always pay attention to the specified pressure range and avoid any kind of excess pressure. Exceeding the maximum pressure may negatively influence the performance of the device and even damage it.
- Never touch, lift, or move the compressor connected to the power supply by the cable. Make sure that the connection socket is protected from water and moisture.
- Always disconnect electric devices from the power supply before maintenance and cleaning work.
- No responsibility is accepted for damage to the device caused by improper use or incorrect maintenance.

Intended use

Pressure switches are utilised to operate pumps, valves or compressors and serve the purpose of regulating the pressure. When a device reaches the previously set maximum pressure level the pressure switch is activated and disrupts the control circuit to turn the motor off. In case of the pressure level being too low, the pressure switch activates the motor to build up additional pressure. This pressure switch was designed to be attached to mini compressors with electric motors with a power of up to 5.5 kW. **Improper use or modification of this device can damage the it as well as its surrounding area and can further lead to severe injuries for which the manufacturer cannot be held responsible.**



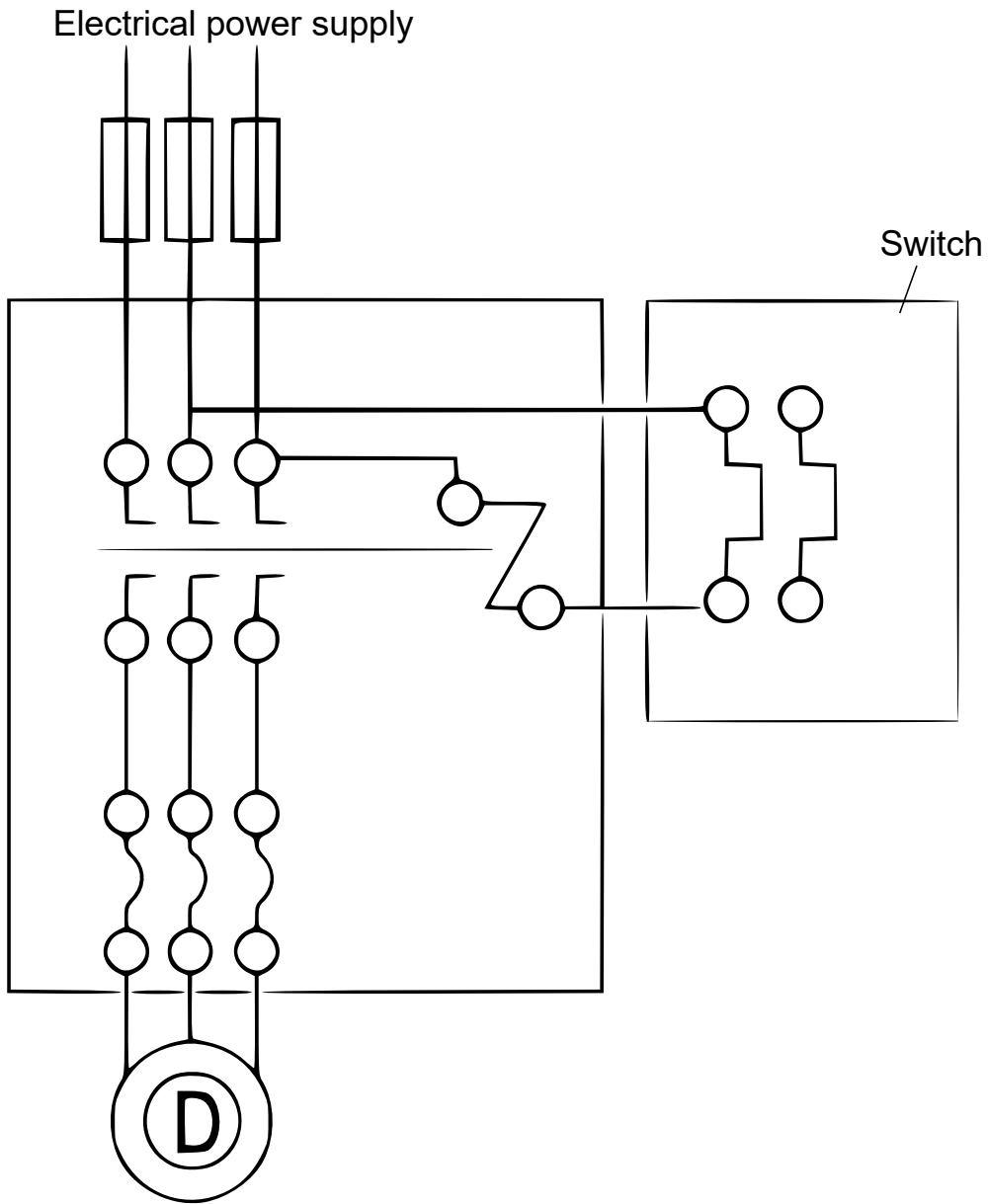
Technical data

Nominal amperage (A)	16
Nominal voltage (V)	240
Max. admissible pressure (bar)	8
Pressure gauge display (bar)	0–12 (0–180 psi)
Thread (mm)	20.67 (1/2")
Connection	NW7.2
Weight (kg)	0.72

Operation

- Read the manual and make sure that the device is in pristine condition.
- Connect the pressure switch to the designated pressure port and the pressure relief valve to the pipe.
- Connect the cables according to the circuit diagram below.
- Ensure that the pressure switch has been earthed correctly.
- If the rated pressure must be adjusted, this can be done with the help the adjusting screw and a screwdriver. Make thereby sure that the pressure is equal on both sides of the spring. Turn the adjusting screw clockwise to decrease the pressure and counter-clockwise to increase the same.
- Regularly check the connections and remove possible accumulations to guarantee a correct mode of operation.

Circuit diagram



Regulations for waste disposal

The Waste Electrical and Electronic Equipment Directive (WEEE Directive, 2012/19/EU) of the EU was implemented in the German law related to electrical and electronic equipment and appliances.

All WilTec electric devices that fall under the WEEE directive are labelled with the symbol of a crossed-out wheeled rubbish bin. This symbol indicates that this electric device must not be disposed of with the domestic waste.

WilTec Technik GmbH is registered with the German registration authority EAR (Stiftung Elektro-Altgeräte Register) under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic devices (intended for use in the countries of the European Union and other European countries with a separate waste collection system for these devices).

The symbol on the packaging or the product itself indicates that this product must not be treated as normal domestic waste but must be disposed of at a recycling collection station for electrical and electronic waste.

By disposing of this product correctly, you contribute to the protection of the environment and the health of your fellow people. Inappropriate disposal threatens the environment and health.



Material recycling helps to reduce the consumption of raw materials.

Additional information about the recycling of this product can be provided by your local commune, the municipal waste disposal facilities, or the store where you purchased the product.

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