

Güde 94174

Güde Pressure Switch with Dry-Run Protection

Model: 94174 | Brand: Güde

1. INTRODUCTION

This instruction manual provides important information for the safe and efficient operation of your Güde Pressure Switch with Dry-Run Protection. Please read this manual carefully before installation and use, and keep it for future reference. This device is designed to automatically control the operation of your pump, protecting it from damage due to dry running (lack of water).

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent personal injury and damage to the product:

- Ensure the power supply matches the specifications of the device (230 V).
- Do not operate the device if the power cable or plug is damaged.
- Protect the device from moisture and extreme temperatures. It is rated IP65, but avoid submersion.
- Always disconnect the power supply before performing any maintenance or installation work.
- Keep children and unauthorized persons away from the operating area.
- Ensure proper grounding of the electrical system.

3. PRODUCT OVERVIEW

The Güde Pressure Switch is a compact unit designed for automatic pump control. Key components include:

- **Control Panel:** Features indicator LEDs (Power, Failure, On) and a Reset button.
- **Manometer:** Displays the current water pressure.
- **Connection Threads:** 1-inch external thread for pump connection.
- **Power Cables:** Integrated 1.0 m connection cable with plug and socket for pump connection.



Figure 3.1: Front view of the Güde Pressure Switch. This image shows the main unit with its control panel, indicating Power, Failure, and On states, and a prominent Reset button.



MANOMETER ZUR GENAUEN DRUCKANGABE



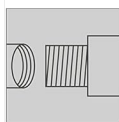
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1,0 METER LANGES ANSCHLUSSKABEL



LED ANZEIGE MIT RESET-FUNKTION



RUNDUM DURCHDACHT

HIER BLEIBEN KEINE WÜNSCHE IM TÄGLICHEN BETRIEB OFFEN

Figure 3.2: Detailed view of the pressure switch components. This composite image highlights the manometer for pressure indication, the 1-inch external thread for connections, the 1.0 meter connection cable, and the LED display with its reset function.



Figure 3.3: Close-up of the control panel. This image provides a clear view of the Power, Failure, and On indicator lights, along with the red Reset button.

4. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	94174
Rated Voltage	230 V
Rated Current	10 A
Max. Operating Pressure	10 bar
Max. Temperature	35 °C
Connection Thread	AG 1" (1 inch external thread)
Connection Cable Length	1.0 m
Protection Class	IP65
Material	Plastic

Dimensions (L x W x H)	22.5 x 12 x 15 cm
Weight	1.74 kg

5. INSTALLATION (SETUP)

Follow these steps for proper installation:

1. **Prepare the Pump:** Ensure your pump is suitable for operation with a pressure switch (pressure range 1.5-10 bar).
2. **Connect the Pressure Switch:** Screw the 1-inch external thread of the pressure switch directly onto the pump's outlet or use the included comfort adapter for easier connection. Ensure a watertight seal.



Figure 5.1: Pressure switch connected to a pump. This image illustrates how the pressure switch is attached to the pump's outlet.



Figure 5.2: Comfort adapter. This image shows the adapter that facilitates easy connection between the pressure switch and the pump.

3. **Electrical Connection:** Plug the pump's power cable into the socket on the pressure switch. Then, plug the pressure switch's integrated power plug into a suitable 230 V mains socket.



Figure 5.3: Power plug. This image displays the standard European power plug of the pressure switch's integrated cable.



Figure 5.4: Power socket. This image shows the socket on the pressure switch where the pump's power cable is connected.

4. **Initial Priming:** Before first use, ensure the pump is properly primed according to its own manual. The pressure switch requires water flow to operate correctly.

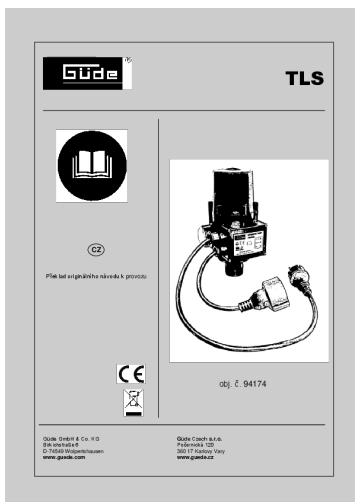
6. OPERATING INSTRUCTIONS

The Güde Pressure Switch operates automatically:

- When a tap or valve is opened, causing a pressure drop, the pressure switch automatically activates the pump.
- When the tap or valve is closed, and the pressure builds up, the pressure switch automatically deactivates the pump.

- The

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