

[Manuals.plus](#) /

› [Bolisila](#) /

› Bolisila HNS-206 Pressure Switch Relay Controller User Manual

Bolisila HNS-206

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1. PRODUCT OVERVIEW

The Bolisila HNS-206 is a compact and reliable pressure switch relay controller designed for various applications requiring precise pressure control. This device monitors liquid pressure changes and activates or deactivates connected systems based on predefined pressure limits. Its robust design ensures stable mechanical performance and ease of integration into existing pipelines.

Key Features:

- **Compact Design:** Small footprint for easy installation in confined spaces.
- **Direct Pipeline Connection:** Designed for straightforward integration into liquid pipelines.
- **Pressure Control Functionality:** Effectively manages pressure changes in liquids.
- **Stable Mechanical Performance:** Ensures reliable and consistent operation.
- **Versatile Application:** Suitable for a wide range of pressure control needs.

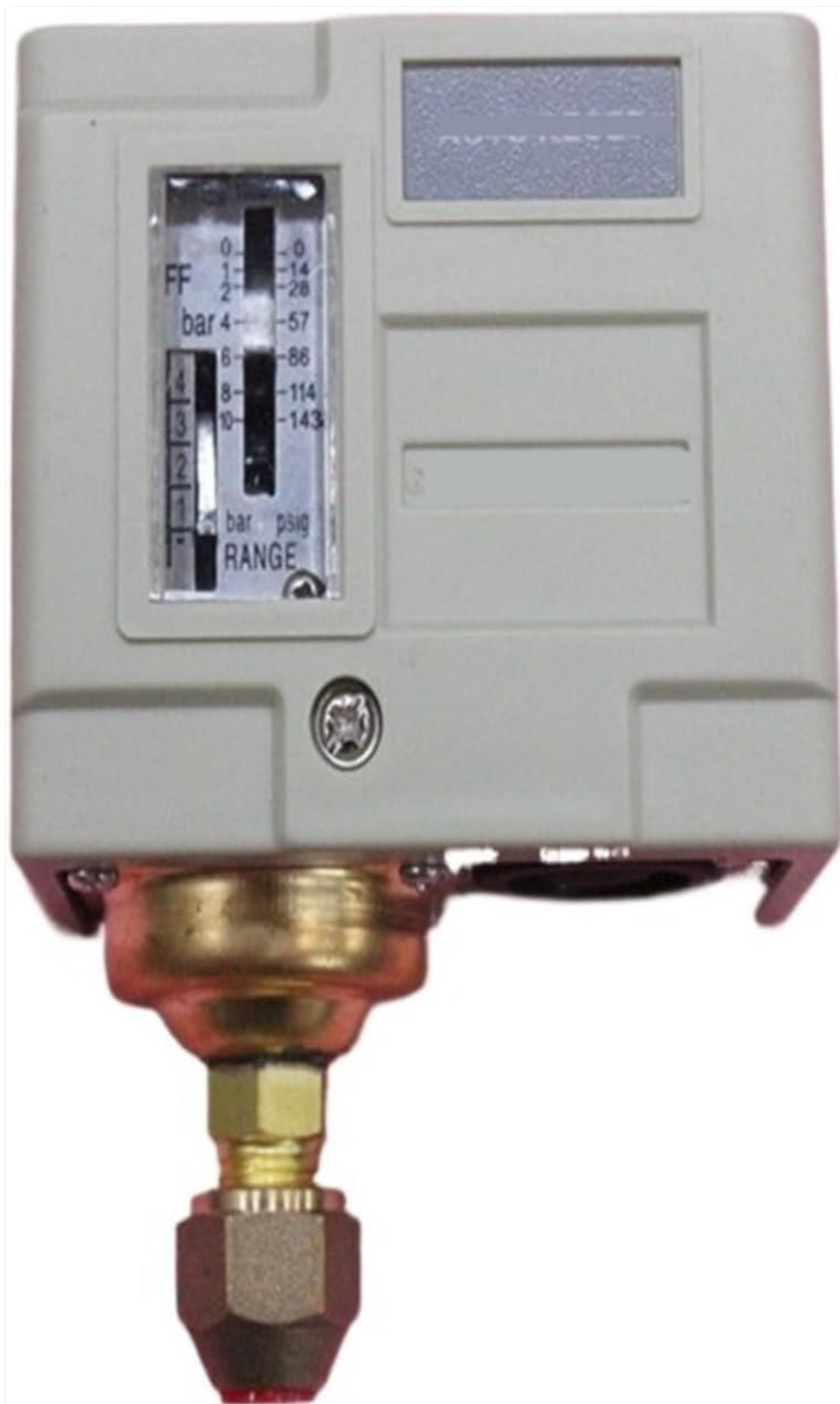


Figure 1: Front view of the Bolisila HNS-206 Pressure Switch Relay Controller, showing the pressure gauge and connection port.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing, operating, or maintaining this device. Failure to follow these instructions may result in property damage, injury, or death.

- **Electrical Safety:** Ensure all power is disconnected before wiring or servicing the device. All electrical connections must comply with local and national electrical codes.
- **Pressure Safety:** Always depressurize the system before installing or removing the pressure switch. Use appropriate personal protective equipment (PPE) when working with pressurized systems.
- **Qualified Personnel:** Installation and maintenance should only be performed by qualified and trained personnel.
- **Environmental Conditions:** Do not expose the device to conditions outside its specified operating range (temperature, humidity, pressure).
- **Intended Use:** Use this device only for its intended purpose as a pressure switch relay controller.

3. SETUP AND INSTALLATION

The HNS-206 is designed for straightforward installation. Follow these steps to ensure proper setup:

1. Preparation:

- Ensure the system is depressurized and power is disconnected.
- Gather necessary tools (e.g., wrenches, wire strippers, screwdriver).

2. Mounting:

- Select a suitable location for mounting the pressure switch, ensuring it is easily accessible for adjustments and maintenance.
- The device can be directly connected to the pipeline. Ensure a secure, leak-free connection using appropriate thread sealant if necessary.

3. Electrical Wiring:

- Refer to the wiring diagram provided with your specific unit (not included in this general manual) for correct electrical connections.
- Connect the power supply and load according to the diagram. Ensure all connections are tight and insulated.

4. Initial Pressure Setting:

- Before applying pressure, set the desired pressure range using the adjustment mechanism on the device. The visible scale indicates pressure in bar and psig.
- Consult the product specifications for the adjustable pressure range of your specific HNS-206 model.

4. OPERATING INSTRUCTIONS

Once installed and wired, the Bolisila HNS-206 operates automatically to control liquid pressure. Follow these guidelines for operation:

1. **Power On:** Restore power to the system. The pressure switch will begin monitoring the liquid pressure.
2. **Pressure Monitoring:** The device continuously monitors the pressure within the connected pipeline.
3. **Relay Activation:** When the liquid pressure reaches the set upper limit, the internal relay will activate (or deactivate, depending on configuration) to control the connected equipment (e.g., pump, valve).
4. **Pressure Differential:** The switch typically operates with a pressure differential (hysteresis) to prevent rapid cycling.

The relay will remain in its activated/deactivated state until the pressure crosses the lower limit.

5. **Adjusting Set Points:** If pressure set points need adjustment, ensure the system is depressurized and power is off before making changes to the adjustment mechanism.

5. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your Bolisila HNS-206 Pressure Switch Relay Controller.

- **Periodic Inspection:** Visually inspect the device and its connections regularly for any signs of wear, damage, or leaks.
- **Cleaning:** Keep the exterior of the device clean and free from dust and debris. Do not use abrasive cleaners or solvents.
- **Connection Integrity:** Periodically check all electrical and pressure connections to ensure they remain tight and secure.
- **Calibration Check:** If precise pressure control is critical, consider periodic calibration checks by a qualified technician to ensure accuracy.
- **Replacement:** If the device shows signs of malfunction or significant wear, replace it with an original Bolisila HNS-206 or equivalent model.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your pressure switch.

Problem	Possible Cause	Solution
Device not activating/deactivating	No power; Incorrect wiring; Pressure outside set range; Faulty unit.	Check power supply; Verify wiring against diagram; Adjust pressure set points; Test or replace unit.
Inaccurate pressure readings	Clogged pressure port; Sensor damage; Calibration drift.	Clean pressure port; Inspect for damage; Recalibrate or replace sensor/unit.

Problem	Possible Cause	Solution
Frequent cycling (chattering)	Insufficient pressure differential; System pressure fluctuations.	Adjust differential setting (if applicable); Stabilize system pressure; Consult a professional.
Leaks at connection points	Loose connection; Damaged sealant/gasket; Incorrect installation.	Tighten connections; Replace sealant/gasket; Reinstall correctly.

If troubleshooting steps do not resolve the issue, contact Bolisila customer support or a qualified technician.

7. SPECIFICATIONS

The following specifications apply to the Bolisila HNS-206 Pressure Switch Relay Controller:

Attribute	Value
Brand	Bolisila
Model Number	HNS-206 (Note: Other HNS models like HNS-203, HNS-210, HNS-215, HNS-220, HNS-230 are also available)
Item Weight	1.1 pounds
Package Dimensions	1.18 x 0.79 x 0.39 inches
Assembly Required	No
Number of Pieces	1
Color	One Color
Unit Count	1.0 Count
Number of Items	1

Note: Specifications are subject to change without notice. Refer to the product packaging or official website for the most current information.

8. WARRANTY AND SUPPORT

Bolisila products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official Bolisila website. For technical support, troubleshooting

assistance, or to inquire about replacement parts, please contact Bolisila customer service through their official channels.

Manufacturer: Bolisila

ASIN: B0F3HQTD91

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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