

FBANG FBANG-1233

FBANG Air Compressor Pressure Switch Control Valve

Model: FBANG-1233 | Brand: FBANG

INTRODUCTION

This manual provides instructions for the safe and effective installation, operation, and maintenance of your FBANG Air Compressor Pressure Switch Control Valve. This unit is designed to regulate and monitor air pressure in various air compressor systems, ensuring optimal performance and safety. Please read this manual thoroughly before use and retain it for future reference.

SAFETY INFORMATION

Working with compressed air systems requires adherence to strict safety protocols. Failure to follow these guidelines may result in serious injury or property damage.

- **Electrical Safety:** Ensure the power supply to the air compressor is disconnected before attempting any installation, maintenance, or repair. All electrical connections must be performed by a qualified electrician in accordance with local codes.
- **Pressure Safety:** Always depressurize the air compressor tank before working on the pressure switch or any connected components. Never exceed the maximum rated pressure of the air compressor or any component in the system.
- **Component Integrity:** Regularly inspect all components, including hoses, fittings, and gauges, for signs of wear, damage, or leaks. Replace any compromised parts immediately.
- **Safety Valve:** The integrated safety valve is designed to release excessive pressure automatically. Do not tamper with or obstruct the safety valve. Test its function periodically.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, when working with air compressors.

PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 x Pressure Switch
- 1 x Pressure Regulator
- 2 x Pressure Gauges
- 2 x Quick Connections (one male and one female)
- 1 x Double Connection
- 2 x Brass Couplers
- 1 x Thread Sealing Tape
- 1 x Thread Locking Agent
- 1 x Plug



Image: All components of the FBANG Air Compressor Pressure Switch Control Valve kit.

PRODUCT FEATURES

- **Integrated Design:** Combines a pressure switch, pressure regulator, and 90-120 PSI pressure gauges

into a compact unit for efficient air compressor management.

- **Enhanced Safety:** Equipped with a safety valve that automatically releases excess pressure, preventing potential damage to the system and ensuring personnel safety.
- **Clear Pressure Monitoring:** Features easy-to-read pressure gauges that provide accurate, real-time pressure measurements for effective system oversight.
- **Broad Compatibility:** Suitable for a wide range of air compressor systems in industrial, commercial, and residential environments.



Image: Detailed view of the pressure gauges and switch lever.

SPECIFICATIONS

Specification	Detail
Model Number	FBANG-1233
Pressure Range	90-120 PSI
Item Weight	1.74 pounds
Package Dimensions	6.73 x 4.61 x 3.94 inches
Material	Plastic
Manufacturer	FBANG



Image: Dimensional drawing of the pressure switch and regulator assembly.

SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of the pressure switch. If you are unsure about any steps, consult a qualified professional.

1. **Disconnect Power:** Ensure the air compressor is completely powered off and unplugged from its power source.
2. **Depressurize System:** Fully drain all air pressure from the compressor tank.
3. **Remove Old Unit (if applicable):** Carefully disconnect and remove the existing pressure switch or control unit.
4. **Apply Thread Sealant:** Apply the provided thread sealing tape or thread locking agent to all threaded connections to ensure airtight seals.
5. **Assemble Components:** Attach the pressure gauges, quick connections, and brass couplers to the main pressure switch and regulator body as required for your setup. Refer to the diagrams for typical configurations.
6. **Mount the Unit:** Securely mount the FBANG pressure switch control valve to the air compressor tank or

manifold. Ensure it is stable and free from vibration.

7. **Connect Wiring:** Refer to the wiring diagram provided. Connect the power supply wires, motor wires, and ground wire to the appropriate terminals on the pressure switch. Double-check all connections for security and correct polarity.
8. **Test for Leaks:** Once all connections are made, slowly repressurize the system and check for any air leaks using soapy water. Tighten connections as necessary.

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We have added usage instructions for the product

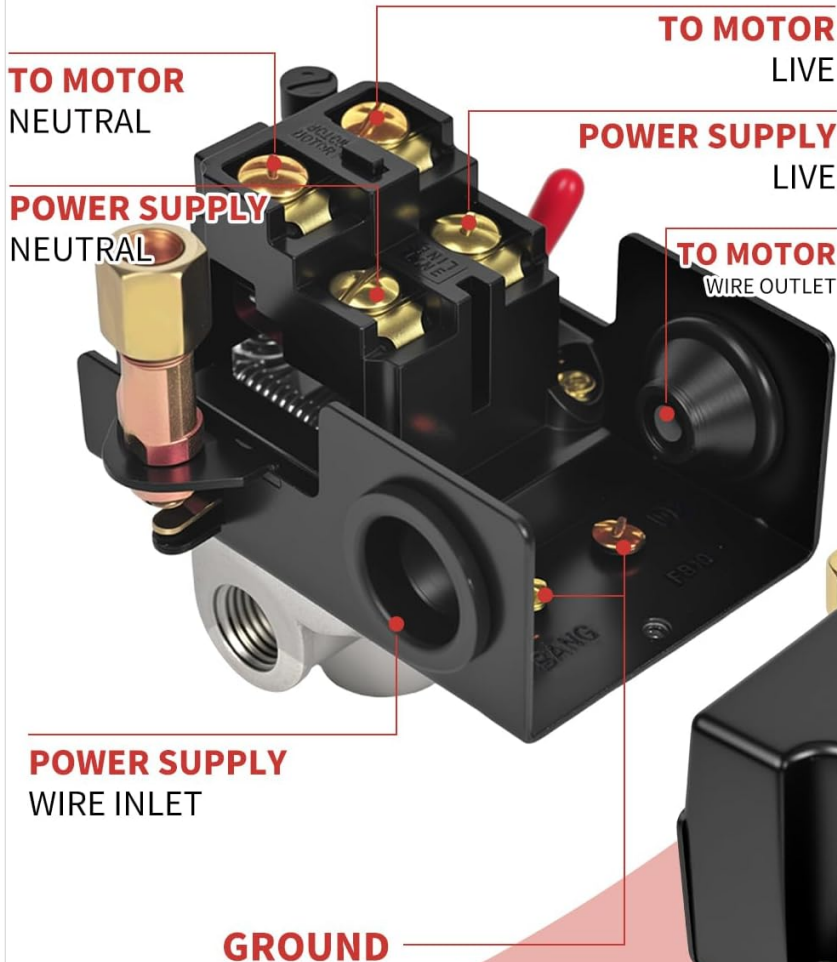


Image: Wiring diagram for electrical connections.

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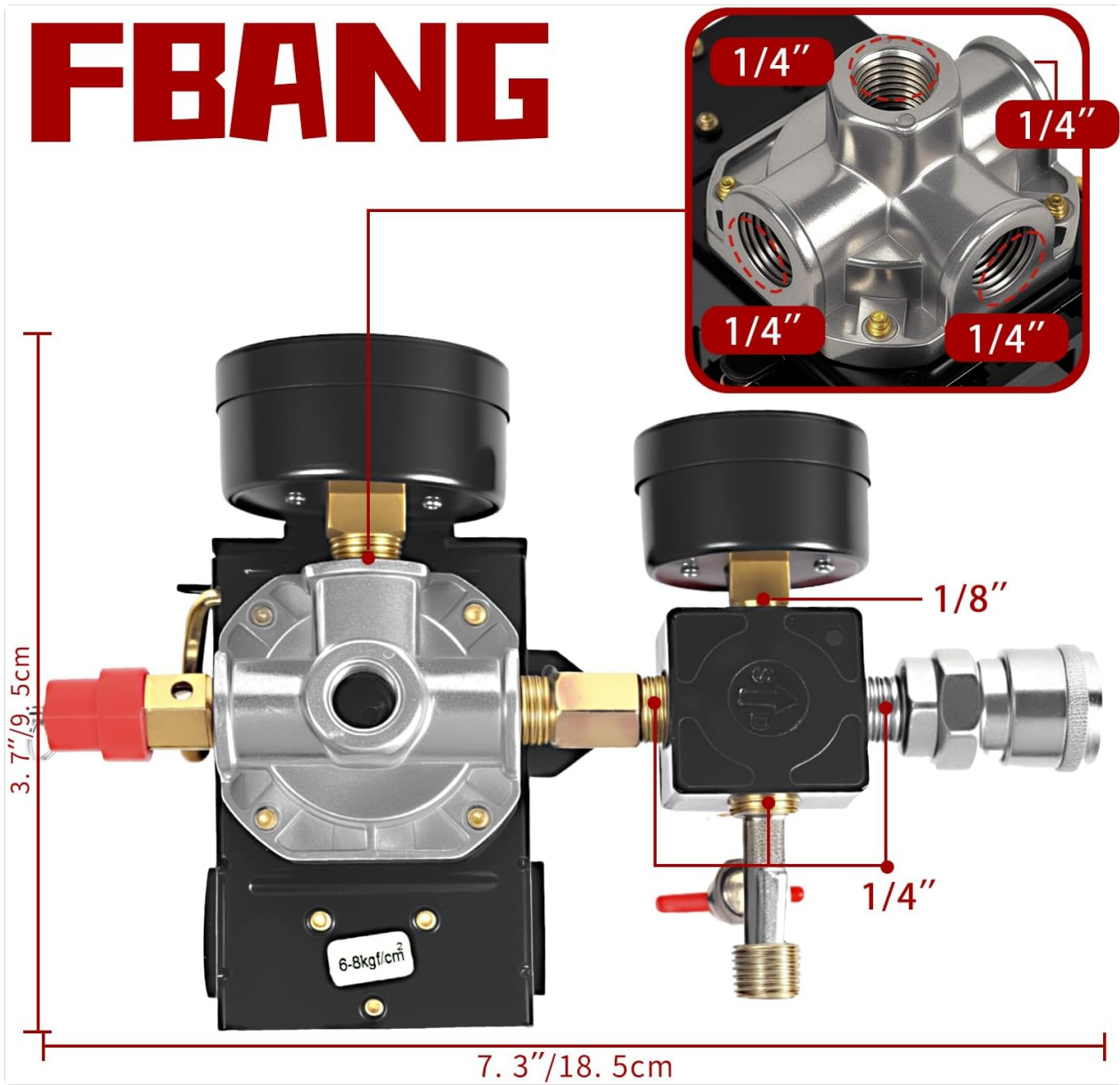


Image: Port configuration and dimensions for assembly.

Your browser does not support the video tag.

Video: Installation tutorial for the FBANG air compressor pressure switch.



Image: Example of the pressure switch installed on an air compressor.

OPERATING INSTRUCTIONS

Once installed and checked for leaks, the pressure switch is ready for operation.

1. **Power On:** Connect the air compressor to its power source. The compressor should start and build pressure until it reaches the upper cut-off limit (e.g., 120 PSI).
2. **Monitor Gauges:** The two pressure gauges display the tank pressure and the regulated output pressure. The tank pressure gauge shows the internal pressure of the compressor tank.
3. **Adjust Output Pressure:** To adjust the output pressure, turn the red knob on the pressure regulator. Turning clockwise increases pressure, and counter-clockwise decreases pressure. Monitor the output pressure gauge while adjusting.
4. **Automatic Operation:** The pressure switch will automatically turn the compressor on when the tank pressure drops to the lower cut-in limit (e.g., 90 PSI) and turn it off when it reaches the upper cut-off limit (e.g., 120 PSI).
5. **Manual Override:** The red lever on the side of the pressure switch allows for manual ON/OFF control of the compressor.

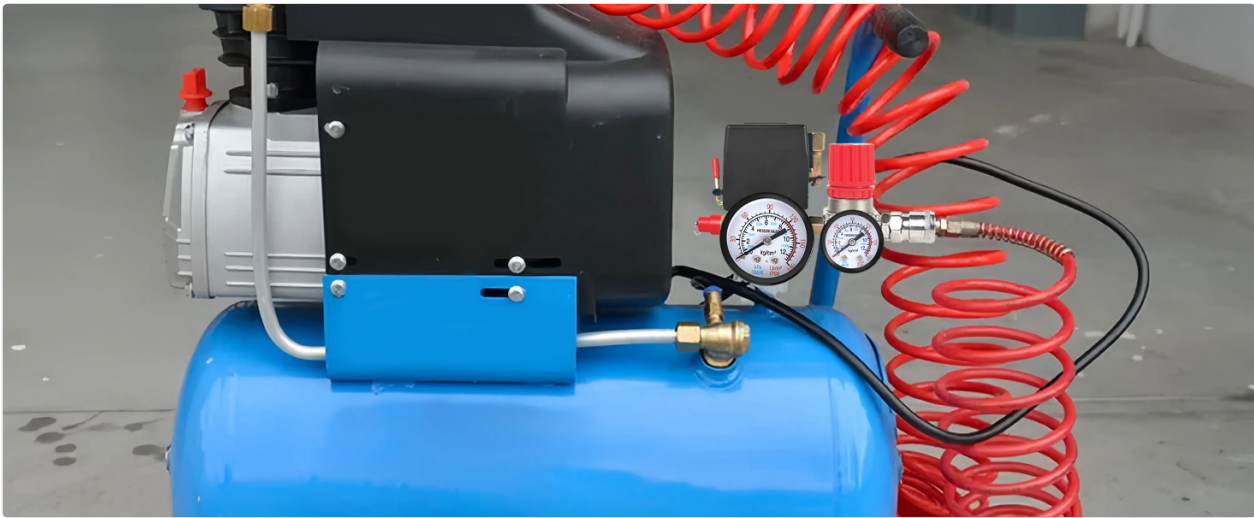


Image: Pressure regulator adjustment knob.

MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your pressure switch control valve.

- **Inspect for Leaks:** Periodically check all connections and components for air leaks. Address any leaks promptly to prevent pressure loss and compressor overwork.
- **Clean Components:** Keep the pressure switch and gauges clean and free from dust, dirt, and debris. Use a soft, dry cloth for cleaning.
- **Test Safety Valve:** Regularly test the safety valve to ensure it operates correctly. Consult your air compressor manual for specific instructions on testing the safety valve.
- **Check Wiring:** Inspect electrical wiring for any signs of wear, fraying, or loose connections. Tighten or replace as needed.

TROUBLESHOOTING

If you encounter issues with your FBANG Air Compressor Pressure Switch Control Valve, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Compressor does not start	No power; switch in OFF position; faulty wiring	Check power supply; ensure switch is ON; inspect wiring connections.
Compressor runs continuously	Air leak in system; pressure switch malfunction	Check for leaks and seal them; if no leaks, the pressure switch may need replacement.
Inaccurate pressure readings	Damaged gauge; obstruction in pressure line	Replace faulty gauge; clear any obstructions.
Air leaks from connections	Improperly sealed threads; loose fittings	Reapply thread sealant and tighten fittings securely.

WARRANTY AND SUPPORT

For warranty information or technical support, please contact FBANG customer service through the retailer

where the product was purchased. Keep your purchase receipt as proof of purchase.