

Barksdale C9612-3

Instruction Manual

BARKSDALE C9612-3 PRESSURE SWITCH

Model: C9612-3 | Brand: Barksdale

PRODUCT OVERVIEW

The Barksdale C9612-3 is a robust pressure switch designed for reliable performance in various industrial applications. It is capable of monitoring and controlling pressure within a range of 250 to 3000 PSI and is compatible with 125/250/480/600V-AC electrical systems. This manual provides essential information for the safe and effective installation, operation, and maintenance of your pressure switch.

IMPORTANT SAFETY INFORMATION

WARNING: Always use this product in accordance with the Barksdale Product Catalog and all applicable local and national electrical codes.

- Disconnect all power before installation or servicing to prevent electrical shock.
- Ensure the pressure system is depressurized before connecting or disconnecting the switch.
- Installation and maintenance should only be performed by qualified personnel.
- Do not exceed the maximum rated pressure or voltage of the device.
- Verify proper grounding to prevent electrical hazards.

SETUP AND INSTALLATION

Unpacking

Carefully remove the pressure switch from its packaging. Inspect the unit for any signs of damage during transit. Retain the packaging for future storage or transport.



The Barksdale C9612-3 Pressure Switch as it appears with its original manufacturer's packaging. The box indicates 'Barksdale Controls Division' and 'IMO Industries Inc.'.

Mounting

Mount the pressure switch securely in a location that is free from excessive vibration, extreme temperatures, and corrosive environments. Ensure adequate space for wiring and pressure line connections. The unit can be mounted using its integrated bracket.



A side profile of the pressure switch, highlighting the electrical wiring connections and the visible pressure adjustment scale with markings for PSI and BAR.



A view from the bottom of the pressure switch, clearly showing the pressure inlet port with a blue protective cap and the mounting bracket for secure installation.

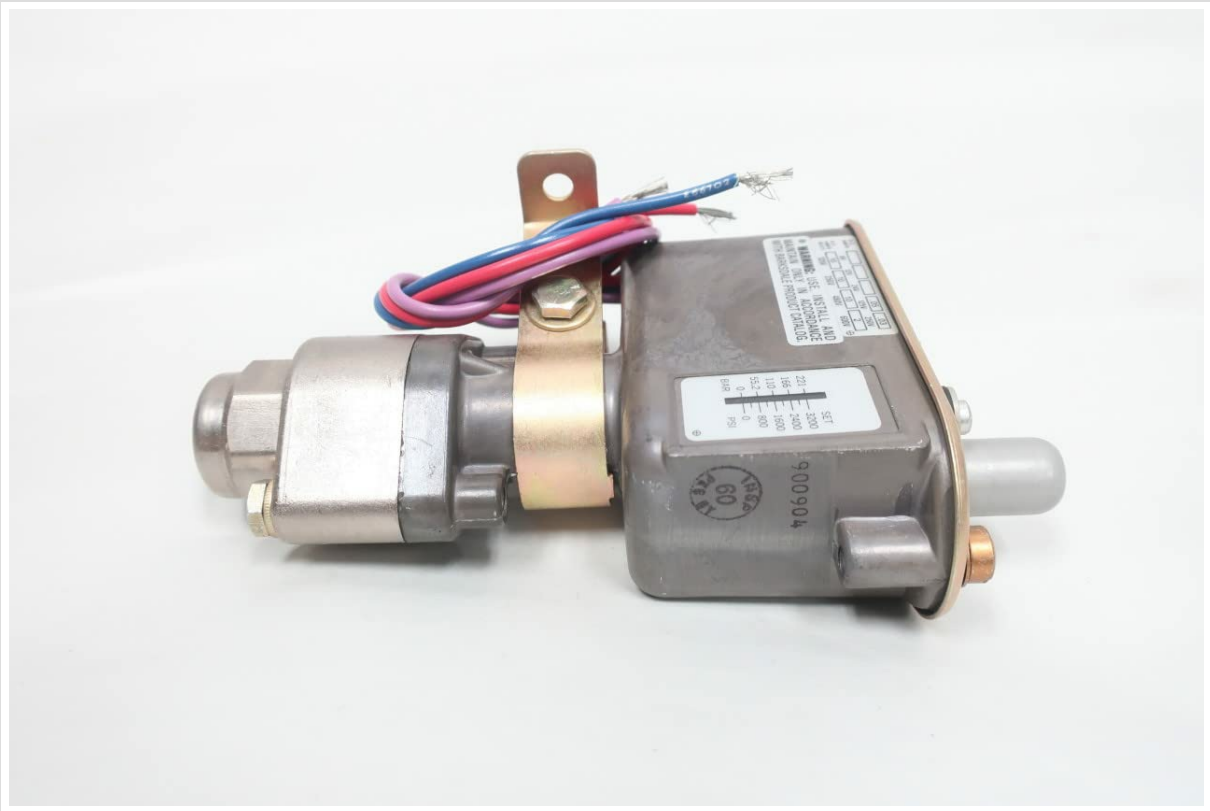
Electrical Connections

Connect the pressure switch to the electrical system according to the wiring diagram provided on the product label and in compliance with local electrical codes. The C9612-3 features screw terminals for secure connections. Refer to the label for lead color codes:

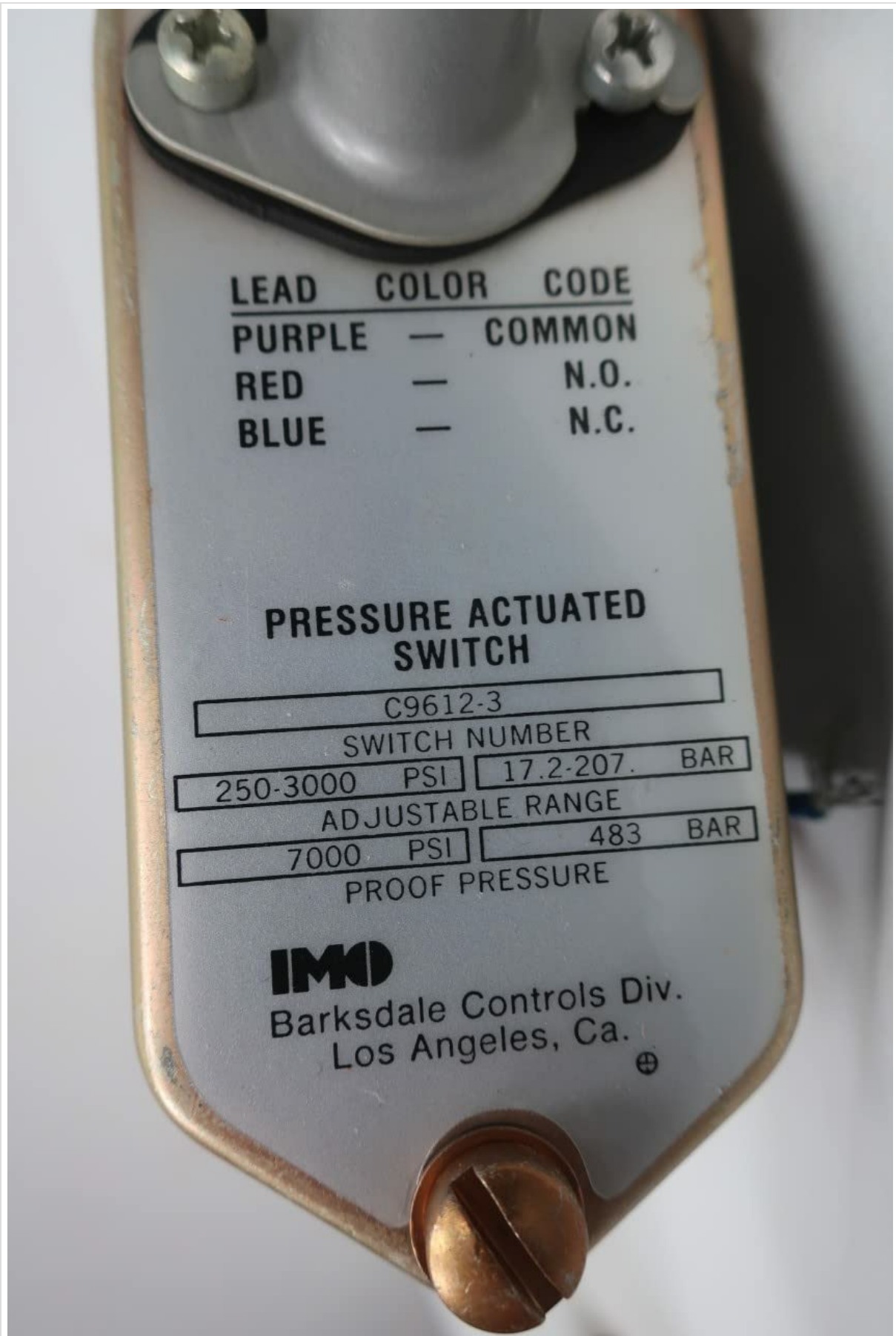
PURPLE: Common

RED: Normally Open (N.O.)

BLUE: Normally Closed (N.C.)



This image provides another perspective of the pressure switch, focusing on the multi-colored electrical leads (red, blue, purple) extending from the unit, ready for connection.



A detailed close-up of the product label affixed to the pressure switch. It displays the model number C9612-3, adjustable pressure range (250-3000 PSI / 17.2-207 BAR), proof pressure (7000 PSI / 483 BAR), and wiring color codes: Purple (Common), Red (N.O.), Blue (N.C.).

OPERATION

Adjusting Pressure Setpoint

The pressure setpoint can be adjusted using the knob located on the side of the unit. Rotate the knob to align the desired pressure value (in PSI or BAR) with the indicator line. Ensure the system is depressurized before making adjustments to prevent injury or damage.



An angled view from the top of the pressure switch, providing a clear look at the grey adjustment knob used to set the desired pressure range.

MAINTENANCE

The Barksdale C9612-3 Pressure Switch is designed for minimal maintenance. Periodically inspect the unit for any signs of wear, corrosion, or damage. Ensure all electrical connections are secure and free from oxidation. Keep the pressure port clean and free of debris. No user-serviceable parts are inside the sealed housing.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Switch does not actuate	No power; Incorrect wiring; Pressure outside setpoint; Clogged pressure port	Check power supply; Verify wiring per diagram; Adjust setpoint; Clear pressure port
Erratic operation	Vibration; Pressure fluctuations; Loose connections	Mount securely; Stabilize pressure source; Tighten connections
Leakage at pressure port	Improper sealing; Damaged threads	Re-seal connection with appropriate sealant; Inspect threads for damage

TECHNICAL SPECIFICATIONS

Specification	Value
Model Number	C9612-3
Adjustable Range	250-3000 PSI (17.2-207 BAR)
Proof Pressure	7000 PSI (483 BAR)
Operating Voltage	125/250/480/600V-AC
Operation Mode	Automatic
Contact Type	Normally Open (N.O.)
Connector Type	Screw Terminals
Circuit Type	1-way
Contact Material	Copper
International Protection Rating	IP54
Control Method	Remote
Connectivity Protocol	X-10
Package Dimensions	7.75 x 5 x 3 inches
Item Weight	2.75 Pounds
Manufacturer	BARKSDALE
Date First Available	August 10, 2022




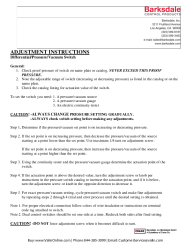
A close-up image of the label on the product packaging, showing 'BARKSDALE C9612-3' and a barcode with the number '0908057'.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Barksdale website or contact their customer service department. Keep your purchase receipt and product model number (C9612-3) readily available when seeking support.

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Related Documents - C9612-3

	<p>Barksdale BPS3000 Dual Pressure Switch: Operating Instructions and Technical Data</p> <p>Comprehensive operating instructions and technical data for the Barksdale BPS3000 Dual Pressure Switch, covering intended applications, safety, installation, programming, maintenance, and specifications.</p>
	<p>Barksdale Differential Pressure Vacuum Switch Adjustment Instructions</p> <p>Comprehensive guide to adjusting Barksdale differential, pressure, and vacuum switches. Learn the proper steps, required tools, and important cautions for accurate setting.</p>



Barksdale Level Probe BLP1: Technical Specifications and Features

Detailed technical specifications, features, applications, and ordering information for the Barksdale Level Probe BLP1, designed for severe conditions in navigation and offshore environments.



[Barksdale Heavy Duty Valve Installation Instructions: Series 140, 200, 920, 5620](#)

Comprehensive installation, operation, and maintenance guide for Barksdale Heavy Duty Shear-seal directional control valves, Series 140, 200, 920, and 5620. Includes technical data, safety information, troubleshooting, and repair procedures.



Barksdale BTS3000 Dual Temperature Switch: Operating Instructions and Technical Data

Comprehensive operating instructions, technical specifications, safety guidelines, and parameter details for the Barksdale BTS3000 Dual Temperature Switch, a versatile device for media temperature monitoring with programmable outputs and IO-link capabilities.



Barksdale Mechanical Temperature Switches Operating Instructions

Comprehensive operating instructions for Barksdale Mechanical Temperature Switches, covering models ML1H, MT1H, L2H, T2H, L1X/L1X-EX, T1X/T1X-EX, T2X/T2X-EX. Includes details on intended applications, safety precautions, installation, maintenance, technical specifications, and hazardous location usage.