

CBBEXP PQ3809

CBBEXP PQ3809 Pressure Sensor User Manual

Model: PQ3809

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the CBBEXP PQ3809 Pressure Sensor. Please read this manual thoroughly before using the device and retain it for future reference. The PQ3809 is designed for precise pressure measurement in various industrial applications.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in injury or damage to the device.

- Ensure all power is disconnected before installation or maintenance.
- Only qualified personnel should install, operate, and service this device.
- Verify that the operating pressure and temperature are within the specified limits of the PQ3809 sensor.
- Protect the device from excessive vibration, impact, and corrosive environments.
- Do not attempt to modify or repair the device. Refer all servicing to authorized personnel.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking:

- CBBEXP PQ3809 Pressure Sensor
- User Manual (this document)

4. PRODUCT OVERVIEW

The CBBEXP PQ3809 Pressure Sensor features a robust design for industrial environments. Key components include a digital display for readings, control buttons for configuration, and a standard electrical connector.



This image displays the CBBEXP PQ3809 Pressure Sensor. The front panel features a digital display, two control buttons labeled 'Mode/Enter' and 'Set', and indicators for pressure units (bar, kPa, psi, in Hg) and output states (P ext, OUT2, OUT1). The top of the device has an orange threaded connector with electrical pins. The bottom part of the device is black and shows 'PQ3 K AA 1504' printed on it, indicating model or serial information, along with two mounting holes.

4.1. Components

- **Digital Display:** Shows current pressure readings and menu options.
- **'Model/Enter' Button:** Used to navigate through menus and confirm selections.
- **'Set' Button:** Used to adjust parameters and settings.
- **Electrical Connector:** Located at the top, for power supply and signal output.
- **Pressure Port:** For connection to the pressure source (location not explicitly visible but implied by function).

5. SETUP

5.1. Mounting

1. Select a stable location free from excessive vibration and heat.
2. Secure the sensor using appropriate fasteners through the mounting holes at the base of the unit.

5.2. Electrical Connection

1. Ensure power is off before making any electrical connections.
2. Connect the power supply and signal cables to the electrical connector at the top of the sensor. Refer to the wiring diagram provided with your specific system for correct pin assignments.
3. Ensure all connections are secure to prevent intermittent operation.

5.3. Pressure Connection

1. Connect the pressure line to the sensor's pressure port.
2. Use appropriate sealing materials (e.g., PTFE tape) to ensure a leak-free connection.
3. Avoid overtightening connections, which can damage the sensor or fittings.

6. OPERATING INSTRUCTIONS

6.1. Power On

After all connections are made, apply power to the sensor. The digital display should illuminate and show the current pressure reading.

6.2. Navigating Menus

- Press the 'Model/Enter' button to cycle through different display modes or enter menu settings.
- Use the 'Set' button to adjust values or select options within a menu.
- Press 'Model/Enter' again to confirm a setting or exit a menu.

6.3. Setting Pressure Units

The sensor supports various pressure units (bar, kPa, psi, in Hg). To change the unit:

1. Enter the unit selection menu (refer to the device's on-screen prompts or specific menu structure).
2. Use the 'Set' button to scroll through available units.
3. Press 'Model/Enter' to select the desired unit.

6.4. Output Configuration

The sensor may feature configurable outputs (OUT1, OUT2). Consult the detailed wiring diagram and system integration guide for specific output types and their configuration procedures.

7. MAINTENANCE

7.1. Cleaning

Regularly clean the exterior of the sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the housing or display.

7.2. Calibration Check

Periodically verify the sensor's accuracy against a known reference pressure source. If significant deviations are observed, recalibration may be necessary. Refer to specialized calibration procedures or contact technical support.

8. TROUBLESHOOTING

- **No Display:** Check power connections and ensure the power supply is active and within specified voltage range.
- **Incorrect Readings:** Verify pressure connections for leaks. Ensure the sensor is correctly calibrated and the selected pressure unit is appropriate.
- **No Output Signal:** Check electrical wiring for correct connections. Verify output configuration settings in the sensor's menu.
- **Sensor Not Responding:** Power cycle the device. If the issue persists, contact technical support.

9. SPECIFICATIONS

- **Model:** PQ3809
- **Type:** Programmable Logic Control Product
- **Manufacturer:** CBBEXP
- **Item Model Number:** PQ3809-NEW
- **ASIN:** B0CH5FZ6W
- **Date First Available:** September 2, 2023
- Further detailed specifications (e.g., pressure range, accuracy, operating temperature) can be found in the product's technical datasheet.

10. WARRANTY AND SUPPORT

10.1. Warranty

The CBBEXP PQ3809 Pressure Sensor comes with a One-Year Warranty from the date of purchase, covering defects in materials and workmanship. This warranty does not cover damage caused by improper installation, misuse, unauthorized modification, or natural disasters.

10.2. Technical Support

For technical assistance, troubleshooting, or warranty claims, please contact your supplier or CBBEXP customer service. Provide your product model number (PQ3809) and purchase details when seeking support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

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

Submit question