

CEMELI SNS-C106

CEMELI SNS-C106 Air Water Pressure Switch User Manual

Model: SNS-C106 | Brand: CEMELI

1. INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of the CEMELI SNS-C106 Air Water Pressure Switch. Please read this manual thoroughly before using the device to ensure safe and efficient operation.

The SNS-C106 is designed for precise pressure control in various air and water systems, featuring an 11mm male thread for easy integration.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the device:

- Ensure the power supply is disconnected before installation or maintenance.
- Do not exceed the specified pressure limits of the switch.
- Installation should be performed by qualified personnel.
- Protect the device from extreme temperatures and corrosive environments.
- Verify all connections are secure and leak-free before operation.

3. PRODUCT OVERVIEW

The CEMELI SNS-C106 is a robust pressure switch designed for reliable performance in air and water applications. Its compact design and adjustable range make it suitable for various industrial and scientific uses.

3.1 Components

- Pressure Switch Body (Light Forest Green)
- 11mm Male Thread Connector (Gold Tone)
- Pressure Adjustment Mechanism
- Electrical Terminals

3.2 Product Images



Figure 1: Front view of the CEMELI SNS-C106 pressure switch. This image displays the main body of the switch in a light forest green color, with the gold-tone male thread connector prominently visible at the top. The side of the switch shows a clear window for viewing internal settings.



Figure 2: Side view of the CEMELI SNS-C106 pressure switch with the cover removed. This view exposes the internal metallic components and the pressure sensing mechanism. A separate metal mounting bracket is shown alongside the switch, indicating its installation method.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of the SNS-C106 pressure switch:

1. **Mounting:** Securely mount the pressure switch using the provided mounting bracket (if applicable) to a stable surface. Ensure there is adequate space for adjustments and connections.
2. **Pressure Connection:** Connect the 11mm male thread of the pressure switch to the system's pressure line. Use appropriate sealing tape or compound to ensure a leak-free connection.
3. **Electrical Wiring:** Wire the pressure switch according to your system's electrical diagram. Ensure all electrical connections are tight and insulated. Refer to local electrical codes for proper wiring practices.
4. **Initial Pressure Setting:** Before applying full system pressure, set the switch to a preliminary pressure range using the adjustment screw.

5. OPERATING INSTRUCTIONS

The SNS-C106 pressure switch is designed for straightforward operation. Once installed, follow these steps:

- Power On:** Apply power to the system.
- Adjusting Pressure Range:** The switch has an adjustable range from 50cmHg (Min.) to 6kgf/cm2 (Max.), or 10PSI (Min.) to 85PSI (Max.). Use a small screwdriver to turn the adjustment screw located on the switch body to set the desired cut-in or cut-out pressure.
- Differential Adjustment:** The differential pressure range is 1-4kgf/cm2 (20-55Lb/in2, 20-55PSI). Adjust this setting to control the pressure difference between the cut-in and cut-out points.
- Monitoring:** Observe the system's pressure gauge and the switch's behavior to confirm it is operating within the desired parameters.

Note: Precise adjustment may require multiple iterations of setting and testing.

6. MAINTENANCE

Regular maintenance ensures the longevity and accuracy of your pressure switch:

- Inspection:** Periodically inspect the switch for any signs of physical damage, corrosion, or leaks.
- Cleaning:** Keep the exterior of the switch clean and free from dust and debris. Do not use harsh chemicals that could damage the housing.
- Connection Check:** Verify that all pressure and electrical connections remain tight and secure.
- Recalibration:** If the switch's accuracy is critical, consider periodic recalibration by a qualified technician.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Switch not activating	Incorrect pressure setting; No power; Faulty wiring	Adjust pressure setting; Check power supply; Inspect wiring connections
Constant activation/deactivation	Differential setting too narrow; Pressure fluctuations	Increase differential setting; Stabilize system pressure
Leaks at connection point	Improper sealing; Loose connection	Re-apply sealing tape/compound; Tighten connection

If the problem persists after attempting these solutions, contact CEMELI customer support.

8. SPECIFICATIONS

Feature	Detail
Product Name	Pressure Switch
Model NO.	SNS-C106
Adjustable Range	50cmHg (Min.) - 6kgf/cm2 (Max.) 20inHg (Min.) - 85lb/in2 (Max.) 10PSI (Min.) - 85PSI (Max.)

Feature	Detail
Differential	1-4kgf/cm2, 20-55Lb/in2, 20-55PSI
Thread Diameter	11mm
Overall Size (L*W*H)	8 x 4.6 x 10cm / 3.1" x 1.8" x 3.9"
Color	Light Forest Green, Gold Tone
Material	Metal

9. WARRANTY AND SUPPORT

For warranty information and technical support, please contact CEMELI customer service through their official website or the retailer where the product was purchased.
Please have your product model number (SNS-C106) and purchase date available when contacting support.

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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