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Gewiss GW70403P Rotary Disconnecter Instruction Manual

Model: GW70403P

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the Gewiss GW70403P Rotary Disconnecter. Please read this manual thoroughly before attempting any installation or operation. Keep this manual for future reference.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock. Installation and maintenance should only be performed by qualified personnel.

- Always disconnect power before installing, servicing, or removing the disconnecter.
- Ensure all local and national electrical codes are followed.
- Use appropriate personal protective equipment (PPE) during installation and maintenance.
- Verify that the product specifications match the application requirements.
- Do not operate the disconnecter if it appears damaged.

3. PRODUCT OVERVIEW

The Gewiss GW70403P is a 16A, 4-pole rotary disconnecter housed in an insulating box, designed for control applications. It features a black lockable knob and provides high protection ratings (IP66/67/69) against dust and water ingress, making it suitable for demanding environments.



Figure 1: Gewiss GW70403P Rotary Disconnector. This image shows the front view of the disconnector, highlighting the black rotary knob and the robust insulating enclosure.

Key Features:

- **Type:** Rotary Disconnector
- **Poles:** 4P
- **Current Rating:** 16A
- **Enclosure:** Insulating Box
- **Knob:** Black, Lockable
- **Protection Rating:** IP66/67/69

4. INSTALLATION AND SETUP

Installation must be carried out by a qualified electrician in accordance with all applicable electrical standards and regulations.

1. **Mounting:** Select a suitable, stable surface for mounting. Use appropriate fasteners to secure the insulating box firmly. Ensure adequate clearance for operation and maintenance.
2. **Wiring:**

- Ensure the main power supply is OFF and locked out before beginning wiring.
 - Open the enclosure cover.
 - Connect the incoming power cables to the designated input terminals and the outgoing load cables to the output terminals. Refer to the internal wiring diagram (if provided on the unit or packaging) for correct pole connections.
 - Ensure all connections are tight and secure.
 - Verify correct grounding, if applicable.
3. **Enclosure Closure:** After wiring, ensure the enclosure cover is properly sealed to maintain the IP protection rating.
 4. **Final Check:** Before restoring power, visually inspect all connections and ensure no tools or debris are left inside the enclosure.

5. OPERATION

The rotary disconnecter controls the power supply to the connected circuit.

1. **Turning ON:** Rotate the black knob clockwise to the "ON" position.
2. **Turning OFF:** Rotate the black knob counter-clockwise to the "OFF" position.
3. **Locking Mechanism:** The knob is lockable in the "OFF" position to prevent unauthorized operation. Insert a padlock (not supplied) through the designated hole when the knob is in the "OFF" position.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable operation of the disconnecter.

- **Periodic Inspection:** Annually inspect the disconnecter for any signs of physical damage, corrosion, or loose connections.
- **Cleaning:** Clean the exterior of the enclosure with a damp cloth. Do not use abrasive cleaners or solvents. Ensure the enclosure remains sealed during cleaning.
- **Seal Integrity:** Check the integrity of the enclosure seals to maintain the IP protection rating. Replace if damaged.
- **Terminal Tightness:** Periodically check and re-tighten terminal connections, especially after initial installation and during routine maintenance.

7. TROUBLESHOOTING

If the disconnecter is not functioning as expected, consider the following common issues:

Problem	Possible Cause	Solution
Disconnecter does not turn ON/OFF	Internal mechanism fault; knob obstruction.	Do not force the knob. Inspect for obstructions. If fault persists, replace the unit.
No power to load when ON	Loose wiring connections; upstream power issue; internal fault.	Verify power supply. Check all wiring connections for tightness. Consult a qualified electrician.
Enclosure seal compromised	Physical damage; improper closure.	Inspect for damage. Ensure cover is correctly seated and screws are tightened. Replace if seal is damaged.

For issues not listed here or if troubleshooting steps do not resolve the problem, contact Gewiss customer support or a qualified electrician.

8. SPECIFICATIONS

Model Number	GW70403P
Manufacturer	GEWISS
Part Number	GW70403P
Current Rating	16A
Poles	4P
Protection Rating	IP66/67/69
Item Weight	1.27 pounds
Package Dimensions	6.69 x 5.12 x 3.94 inches

9. WARRANTY AND SUPPORT

Gewiss products are manufactured to high-quality standards and are covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official Gewiss website.

For technical support, spare parts, or further assistance, please contact your local Gewiss distributor or customer service department. When contacting support, please have your product model number (GW70403P) and purchase details available.