

PERRY 1RI 04230AC/I

Perry Electric 1RI 04230AC/I Impulse Relay User Manual

Model: 1RI 04230AC/I

1. INTRODUCTION

This user manual provides essential information for the safe and efficient installation, operation, and maintenance of your Perry Electric 1RI 04230AC/I electromechanical impulse relay. Please read this manual thoroughly before attempting any installation or operation to ensure proper function and safety.

2. SAFETY INFORMATION

WARNING: Electrical installation should only be performed by qualified personnel. Incorrect installation can lead to electric shock, fire, or damage to the device.

- Always disconnect power at the main circuit breaker before installing or servicing the relay.
- Ensure all wiring complies with local and national electrical codes.
- Do not exceed the specified voltage and current ratings of the device.
- Keep the device away from moisture and extreme temperatures.

3. PRODUCT OVERVIEW

The Perry Electric 1RI 04230AC/I is an electromechanical impulse relay designed for controlling lighting circuits or other loads. It operates by changing its contact state (ON/OFF) with each electrical pulse received. This model is suitable for flush-mounted installations.



Figure 1: Perry Electric 1RI 04230AC/I Impulse Relay. This image shows the transparent casing of the relay, revealing the internal coil and contact mechanism. The model number "1RI 04 230AC/I" and electrical ratings "230V AC" and "10A 250V" are visible on the casing, along with the CE mark. The bottom features connection terminals.

Key Features:

- Electromechanical impulse switching.
- Rated voltage: 230V AC, 50-60 Hz.
- Maximum continuous current: 10A / 250V AC.
- Two contacts.
- Designed for flush mounting with pre-drilled holes for screw installation.

4. SETUP AND INSTALLATION

Before proceeding with installation, ensure the main power supply is disconnected.

1. **Mounting:** The relay is designed for flush mounting. Secure the device using screws through the pre-drilled holes. Ensure it is placed in a suitable electrical box or enclosure that provides adequate protection and ventilation.
2. **Wiring:** Connect the relay according to the wiring diagram provided with the product or standard electrical practices for impulse relays.
 - Connect the 230V AC power supply to the designated terminals.
 - Connect the control button (e.g., push-button switch) to the impulse input terminals.
 - Connect the load (e.g., light fixture) to the output contacts of the relay. The relay has two contacts, allowing for flexible wiring configurations.
3. **Verification:** Double-check all connections for tightness and correctness before restoring power.

5. OPERATING INSTRUCTIONS

Once installed and power is restored, the Perry Electric 1RI 04230AC/I impulse relay operates as follows:

- Each short electrical pulse applied to the control input terminals will toggle the state of the relay's output contacts.

- If the contacts are open (load OFF), a pulse will close them (load ON).
- If the contacts are closed (load ON), a pulse will open them (load OFF).
- This allows for control of a load from multiple push-button switches connected in parallel.

6. MAINTENANCE

The Perry Electric 1RI 04230AC/I impulse relay is designed for long-term, reliable operation with minimal maintenance. However, periodic checks can help ensure continued performance:

- **Visual Inspection:** Periodically inspect the relay and its connections for any signs of damage, overheating, or loose wiring.
- **Cleaning:** If necessary, gently clean the exterior of the relay with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Connection Check:** Ensure all terminal connections remain tight.

Always disconnect power before performing any maintenance.

7. TROUBLESHOOTING

If the relay is not functioning as expected, consider the following:

Problem	Possible Cause	Solution
Relay does not switch ON/OFF.	No power supply to the relay. Faulty control button. Incorrect wiring.	Check main power supply. Test the control button. Verify wiring against the diagram.
Load does not turn ON/OFF.	Faulty load (e.g., bulb). Loose connection to the load. Relay contacts damaged.	Test the load independently. Check load wiring. If contacts are damaged, replace the relay.
Relay makes unusual noise.	Normal operation (electromechanical relays can be slightly audible). Loose internal components (rare).	A slight hum is normal. If noise is excessive or new, disconnect power and inspect. If persistent, consider replacement.

If troubleshooting steps do not resolve the issue, contact a qualified electrician or the manufacturer for assistance.

8. SPECIFICATIONS

Attribute	Value
Manufacturer	PERRY ELECTRIC
Model Number	1RI 04230AC/I
Rated Voltage	230V AC, 50-60 Hz
Max. Continuous Current	10A / 250V AC
Number of Contacts	2
Mounting Type	Flush-mounted (Incasso)





Attribute	Value
Dimensions	7.2 x 6.9 x 3.2 cm
Weight	60 grams
Batteries Required	No

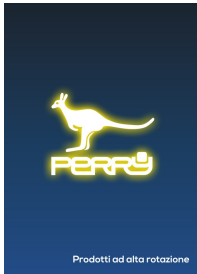
9. WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support or further inquiries regarding the Perry Electric 1RI 04230AC/I impulse relay, please contact Perry Electric customer service or visit their official website.

Manufacturer: PERRY ELECTRIC

Related Documents - 1RI 04230AC/I

	<p>PERRY Programator Czasowo-Astronomiczny NFC: Instrukcja Obsługi i Programowania</p> <p>Kompletna instrukcja obsługi dla programatora czasowo-astronomicznego PERRY z NFC. Dowiedz się, jak programować funkcje ASTRO i TIME, korzystać z aplikacji Perry Home oraz instalować urządzenie.</p>
	<p>Contatore di Energia Trifase Multifunzione PERRY 1SDSD10CET4WIFI con Connessione Wi-Fi - Manuale di Installazione e Uso</p> <p>Manuale completo per il contatore di energia trifase multifunzione PERRY 1SDSD10CET4WIFI con connessione Wi-Fi. Include installazione, messa in servizio, funzionamento, specifiche tecniche e gestione tramite app Perry Smart.</p>
	<p>Perry Bookcase Assembly Instructions and Warranty Information</p> <p>Detailed assembly guide for the Perry Bookcase, including a comprehensive parts list, hardware list, step-by-step instructions, important safety warnings regarding tipover hazards, and the 6-month limited warranty details.</p>
	<p>PERRY CR050WIFI: Advanced Multizone Wi-Fi Thermostat for Smart Climate Control</p> <p>Discover the PERRY CR050WIFI, a programmable multizone Wi-Fi thermostat offering advanced climate control, humidity management, and energy efficiency for residential and commercial applications. Learn about its features, components, and installation.</p>



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