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Duracell DURPC1400

Duracell PROCELL C12 Professional Alkaline Battery Instruction Manual

Model: DURPC1400

1. Introduction

The Duracell PROCELL C12 Professional Alkaline Battery is engineered for demanding professional applications, offering reliable power and extended performance. These C-size batteries are designed to meet high standards of durability and longevity, suitable for various electronic devices.
Key features include:

- **Battery Chemistry:** Alkaline
- **High-capacity:** Designed for long life and consistent performance.
- **Temperature Range:** Rated for reliable operation in temperature extremes from -20°C to 54°C.
- **Mercury-Free:** Contains no added mercury.
- **Freshness Guarantee:** 7-year freshness guarantee with date coding.

2. Safety Information

WARNING: To prevent serious injury or property damage, observe the following precautions:

- Do not install batteries improperly. Ensure correct polarity (+/-) as indicated on the battery and device.
- Do not recharge alkaline batteries. Attempting to recharge may cause leakage, fire, or explosion.
- Do not dispose of batteries in fire. Batteries may explode or leak when exposed to high temperatures.
- Do not mix old and new batteries, or batteries of different types or brands. This can lead to leakage or reduced performance.
- Remove exhausted batteries promptly from devices to prevent leakage.
- Keep batteries out of reach of small children. If swallowed, seek medical attention immediately.
- If battery fluid comes into contact with skin or eyes, flush immediately with plenty of water and seek medical attention.

3. Installation

Proper battery installation is crucial for device functionality and safety.

1. Identify the battery compartment in your device.
2. Observe the polarity markings (+ and -) inside the compartment.
3. Insert the Duracell PROCELL C12 battery, aligning the positive (+) end of the battery with the positive (+) terminal in the device, and the negative (-) end with the negative (-) terminal.
4. Ensure batteries are seated firmly and the compartment cover is securely closed.



Image 1: A single Duracell PROCELL C-size alkaline battery, standing upright, displaying its orange and black label with 'PROCELL DURACELL' branding and 'Pila alcaline professionnelle' (Professional alkaline battery) text. The positive terminal is visible at the top.



Image 2: A Duracell PROCELL C-size alkaline battery lying horizontally, showcasing the full length of its orange and black label. Visible text includes 'PROCELL DURACELL', 'Pila alcaline professionnelle', and a 'MAR 2021' date code, along with safety warnings in multiple languages.

4. Operation

Once properly installed, Duracell PROCELL C12 batteries provide consistent power to your compatible devices. These batteries are designed for high-drain and/or high-voltage applications, offering superior performance compared to standard alkaline batteries.

- **Performance:** Expect reliable operation across a wide range of devices, from flashlights and radios to electronic test equipment and medical devices.

- **Longevity:** The high-capacity design contributes to an extended service life, reducing the frequency of battery replacement.
- **Temperature Resilience:** Maintains performance in challenging environments, from cold to hot conditions.

5. Maintenance and Storage

To maximize battery life and ensure safe storage:

- Store unused batteries in their original packaging in a cool, dry place.
- Avoid storing batteries in direct sunlight or near heat sources.
- The recommended storage temperature range is -20°C to 35°C (-4°F to 95°F).
- Do not store batteries loose in a drawer or container with metal objects (like coins or keys), as this can cause short circuits.
- Check the freshness date on the battery before use to ensure optimal performance.



Image 3: A carton of Duracell PROCELL C-size batteries, with one battery removed and standing next to the open box. The box is labeled 'C12 PROCELL Professional Alkaline Battery', indicating a 12-count package.

6. Troubleshooting

If your device is not functioning correctly with new Duracell PROCELL C12 batteries, consider the following:

- **Device Not Powering On:**
  - Verify that the batteries are inserted with the correct polarity (+/-).
  - Ensure the battery contacts in the device are clean and free of corrosion. Gently clean with a pencil eraser or cotton swab if necessary.
  - Test the device with another set of new batteries to rule out a device malfunction.
- **Short Battery Life:**
  - Confirm the device is compatible with alkaline batteries and not designed for rechargeable or other battery types.
  - Ensure the device is not experiencing an internal short circuit or excessive power draw.
  - Check the battery's freshness date.
- **Battery Leakage:**

- Remove the leaking battery immediately, wearing protective gloves.
- Clean the battery compartment thoroughly with a cotton swab dipped in vinegar (for alkaline leaks) to neutralize the residue.
- Dispose of the leaking battery according to local regulations.

7. Specifications

Specification	Value
Battery Type	Alkaline
Size	C
Nominal Voltage	1.5 Volt
Operating Voltage	1.6 to 0.75 Volt
Impedance	150 mΩ at 1 kHz
Typical Volume	26.9 cubic centimeters
Dimensions (Diameter x Height)	26.2 mm x 50 mm
Weight (per battery)	Approximately 2.4 ounces (68 grams)
Operating Temperature Range	-20°C to 54°C (-4°F to 129.2°F)
Storage Temperature Range	-20°C to 35°C (-4°F to 95°F)
ANSI Standard	14A
IEC Standard	LR14
Manufacturer	Procter & Gamble
Model Number	DURPC1400

8. Disposal

Proper disposal of used batteries is important for environmental protection. Do not dispose of batteries in household waste.

- Check local regulations for battery recycling programs. Many communities offer collection points for alkaline batteries.
- Some retailers also provide battery recycling services.
- For more information on recycling, visit Call2Recycle.org or your local waste management authority website.

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