Paradox DCTXP2/86

Paradox DCTXP2/86 Radio Magnetic Contact User Manual

MODEL: DCTXP2/86

Brand: Paradox

INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the Paradox DCTXP2/86 868 MHz Radio Magnetic Contact. This device is designed to enhance the security of your premises by detecting the opening and closing of doors and windows. Please read this manual thoroughly before using the device to ensure proper functionality and safety.

PRODUCT OVERVIEW

The Paradox DCTXP2/86 is a supervised radio magnetic contact operating at 868 MHz, specifically designed for doors and windows. It features two independent radio channels and the capability to connect one external sensor. An anti-tamper switch is integrated for enhanced security.

- **Frequency:** 868 MHz version.
- **Channels:** Two independent radio channels.
- **External Sensor:** Possibility to connect one external sensor.
- **Tamper Protection:** Includes an anti-tamper switch.
- **Compliance:** Conforms to EN50131-2-6 Grade 2.

The image displays the Paradox DCTXP2/86 radio magnetic contact. It consists of two main components: a larger rectangular sensor unit and a smaller rectangular magnet. Both components are white and designed to be mounted on a door or window frame and its corresponding moving part.

SETUP AND INSTALLATION

1. Battery Installation

The DCTXP2/86 requires two AAA alkaline batteries for operation. Ensure correct polarity when inserting the batteries.

1. Carefully open the casing of the main sensor unit.
2. Insert two AAA alkaline batteries into the designated battery compartment, observing the polarity markings (+/-).
3. Close the casing securely.

2. Mounting the Contact

The magnetic contact consists of two parts: the main sensor unit and the magnet. They should be mounted on the door/window frame and the moving part (door/window) respectively, ensuring they are aligned and in close proximity when the door/window is closed.

- Choose a mounting location where the sensor and magnet can be securely attached and are not easily accessible to intruders.
- Mount the larger sensor unit on the fixed frame of the door or window.

- Mount the smaller magnet on the moving part of the door or window, directly opposite the sensor unit.
- Ensure the gap between the sensor and the magnet is minimal (typically less than 1 cm) when the door/window is closed for reliable detection.
- Use screws or strong adhesive pads (not included) for secure mounting.

3. Programming/Pairing with Alarm System

The DCTXP2/86 needs to be programmed into your Paradox alarm system. Refer to your alarm system's main control panel manual for specific instructions on adding wireless zones. The DCTXP2/86 offers two independent radio channels that can be assigned to different zones.

- Access the programming mode of your Paradox alarm control panel.
- Select the option to add a new wireless zone or device.
- Activate the DCTXP2/86 (e.g., by opening and closing the contact, or by triggering the tamper switch) to transmit its unique serial number to the control panel.
- Assign the contact to the desired zone(s) and configure its attributes (e.g., entry/exit, perimeter, 24-hour).
- Test the communication and detection by opening and closing the protected door/window.

OPERATING INSTRUCTIONS

Once properly installed and programmed, the Paradox DCTXP2/86 operates automatically. When the protected door or window is opened, the magnetic contact separates, triggering an alarm signal to the control panel. When the door or window is closed, the contact re-establishes, and the zone returns to a normal state.

- **Detection:** The sensor detects the separation of the magnet from the main unit.
- **Supervision:** The DCTXP2/86 is a supervised device, meaning it periodically communicates with the control panel to confirm its presence and operational status. If communication is lost, the control panel will indicate a fault.
- **Tamper Protection:** If the casing of the main sensor unit is opened, the integrated tamper switch will trigger an alarm, even if the system is disarmed.
- **External Sensor Input:** The two independent radio channels allow for monitoring of the magnetic contact itself and an additional wired sensor connected to the DCTXP2/86's input terminals.

MAINTENANCE

Battery Replacement

The control panel will typically indicate a low battery condition for the DCTXP2/86. Replace batteries promptly to ensure continuous protection.

1. Disarm your alarm system before replacing batteries to avoid false alarms.
2. Open the casing of the main sensor unit.
3. Remove the old AAA batteries.
4. Insert new AAA alkaline batteries, ensuring correct polarity.
5. Close the casing securely. The tamper switch will activate briefly, and the device will re-establish communication with the control panel.

Cleaning

Clean the device periodically with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the casing or internal components. Ensure the sensor and magnet surfaces are free from dirt or debris that could interfere with their operation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not detecting opening/closing.	Low or dead batteries. Sensor and magnet misalignment. Device not properly programmed. Interference with radio signal.	Replace batteries. Adjust mounting position to ensure proper alignment and close proximity. Verify programming with the alarm control panel. Check for sources of radio interference (e.g., large metal objects, other wireless devices).
Control panel shows "Low Battery" for the device.	Batteries are running low.	Replace both AAA batteries immediately.
Tamper alarm triggered unexpectedly.	Casing not securely closed. Faulty tamper switch.	Ensure the casing is fully snapped shut. If problem persists, contact technical support.
Device not communicating with control panel.	Out of range. Batteries dead. System fault.	Relocate the device closer to the control panel or install a wireless repeater. Replace batteries. Consult your alarm system's manual or contact a professional installer.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Paradox technical support or a certified alarm system installer.

SPECIFICATIONS

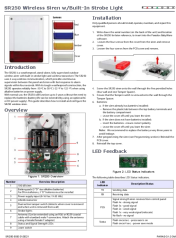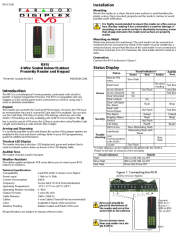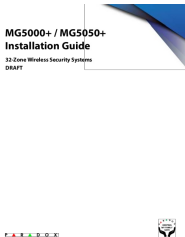| Feature	Detail
Model	DCTXP2/86
Frequency	868 MHz
Dimensions (L x W x H)	11.2 x 3.2 x 2.5 cm (approx. 112x32x25 mm as per description)
Weight	50 grams
Power Source	Battery operated
Battery Type	2 x AAA Alkaline batteries (not included with product, but required for operation)
Additional Features	Dust resistant, 2 independent radio channels, external sensor input, anti-tamper switch
Compliance	EN50131-2-6 Grade 2

WARRANTY AND SUPPORT

For information regarding the warranty of your Paradox DCTXP2/86, please refer to the warranty card included with your product or visit the official Paradox website. Warranty terms and conditions may vary by region.
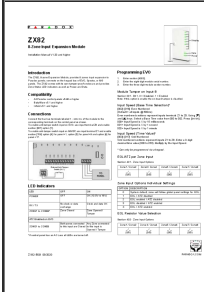
If you require technical assistance, support, or have questions about your device, please contact your authorized Paradox dealer or Paradox customer support. Contact information can typically be found on the Paradox website or in your product documentation.

It is recommended that installation and maintenance of security system components be performed by qualified professionals.
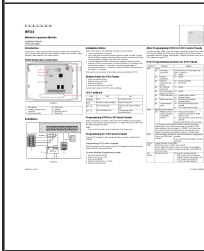
Related Documents - DCTXP2/86

[Paradox SR250 Wireless Siren with Built-In Strobe Light Installation and Operation Guide](#)
Comprehensive guide for installing, programming, and operating the Paradox SR250 outdoor wireless siren with strobe light. Includes specifications, features, and troubleshooting.

[Paradox R915 4-Wire Proximity Reader and Keypad Installation Guide](#)
Comprehensive installation and operational guide for the Paradox R915 4-wire indoor/outdoor proximity reader and keypad, detailing features, specifications, status indicators, and compliance information.

[Paradox SR130 Outdoor Wireless Siren: Installation and Configuration Guide](#)
Detailed guide for installing and configuring the Paradox SR130 Outdoor Wireless Siren with built-in strobe light. Covers firmware upgrades, tamper supervision, specifications, LED feedback, compatibility, installation steps, and programming via keypad or BabyWare software.

[Paradox MG5000+ / MG5050+ Installation Guide](#)
Comprehensive installation guide for Paradox MG5000+ and MG5050+ wireless security systems, detailing setup, programming, features, and troubleshooting for installers.

[Paradox ZX82 8-Zone Input Expansion Module Installation Manual](#)

This installation manual provides comprehensive details for the Paradox ZX82 8-Zone Input Expansion Module, covering its features, compatibility with Paradox control panels, connection procedures, programming instructions for EVO and MG/SP systems, LED indicator functions, technical specifications, and firmware upgrade information.

[PARADOX RTX3 Wireless Expansion Module Installation Manual](#)

Installation manual for the PARADOX RTX3, a 2-way, 32-zone wireless expansion module that enhances EVO and SP Series control panels with wireless hardware support for sirens, detectors, and remote controls.