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› TEELODANE Q400 Industrial Wireless Crane Remote Control Kit Instruction Manual

TEELODANE Q400

TEELODANE Q400 Industrial Wireless Crane Remote Control Kit

INSTRUCTION MANUAL

1. Introduction

This manual provides detailed instructions for the safe and efficient operation, installation, and maintenance of the TEELODANE Q400 Industrial Wireless Crane Remote Control Kit. This kit is designed for controlling electric lift hoists and cranes, offering reliable wireless communication and essential safety features.

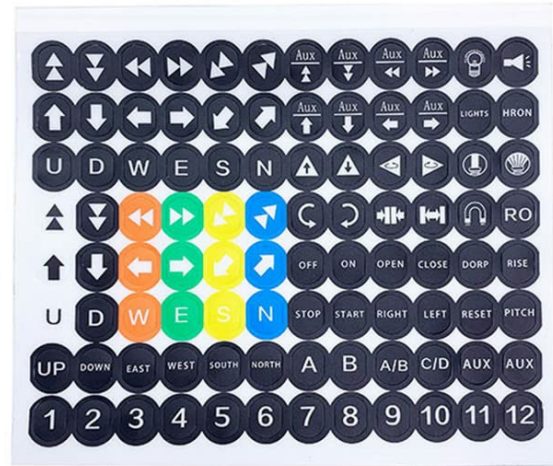


Figure 1: TEELODANE Q400 Industrial Wireless Crane Remote Control Kit (Transmitter and Receiver)

2. Safety Information

Always prioritize safety when operating industrial equipment. Read and understand all instructions before use. Failure to follow safety guidelines may result in serious injury or equipment damage.

- Ensure all wiring is performed by a qualified electrician in accordance with local electrical codes.
- Verify the power supply voltage matches the receiver's specifications (AC 110V for this model).
- Regularly inspect the transmitter and receiver for any signs of damage or wear.
- The emergency stop button must be easily accessible and functional at all times.
- Do not operate the remote control if you are under the influence of drugs or alcohol.
- Maintain a clear line of sight to the crane and load during operation.

3. Package Contents

The TEELODANE Q400 kit includes the following components:

- 1 x Transmitter
- 1 x Receiver
- 1 x Sticker set for button customization
- 1 x Dustproof sleeve



Figure 2: Contents of the TEELODANE Q400 package

4. Product Overview

The Q400 series remote control system consists of a handheld transmitter and a receiver unit. It features a robust design suitable for industrial environments.

4.1 Key Features

- **High Quality Antenna:** Ensures a remote control distance of up to 100 meters in open areas.
- **Robust and Durable:** The shell is made of PA6 (30%GF) material, providing IP65 class protection against water, dust, and impacts. Certified with FCC and CE.
- **Easy to Operate:** Transmitter features LED lights to indicate operating status.
- **Button Function Modification:** Connect to a computer (with a separately purchased data line) to customize button functions.
- **Quick Response:** Sensitive and accurate response time as fast as 0.01 seconds.

4.2 Components

Wireless industrial remote control

1. High-end quality

2. Smart wireless pairing

3. Wireless narrow frequency design



Figure 3: Transmitter and Receiver units

Reinforced nylon shell

1. Oil-proof and waterproof
2. High and low temperature resistance
3. Strong and anti-fall



Figure 4: Reinforced nylon shell for durability



Figure 5: Ergonomic design for comfortable use

4.3 Product Video Overview

Video 1: Overview of the TEELODANE Q series crane wireless remote control. This video demonstrates the various models and their general appearance.

5. Setup

5.1 Wiring the Receiver

Proper wiring is critical for the safe and correct operation of the remote control system. Refer to the wiring diagram below and ensure all connections are secure and match the specified voltage (AC 110V for this model).

WIRING DIAGRAM

Q400

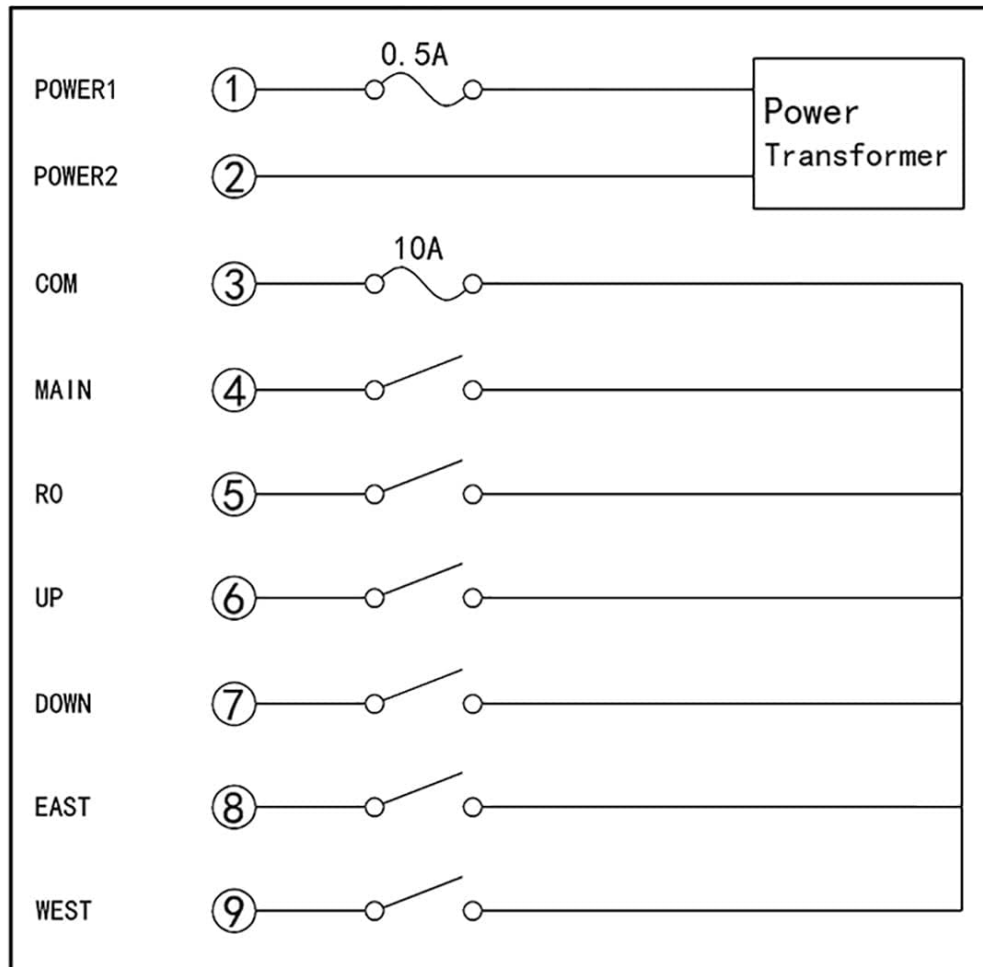


Figure 6: Q400 Wiring Diagram

- **Lines 1 & 2:** Power lines. Connect to the appropriate AC 110V power source.
- **Line 3 (COM):** Common line. Connect to the power supply of the remote control. The operating voltage of the power supply and the crane's contactor must be the same.
- **Line 4 (MAIN):** Connects to the main contactor coil.
- **Lines 5 & 6 (UP/DOWN):** Connect to the up and down contactors.
- **Lines 7 & 8 (EAST/WEST):** Connect to the east and west direction contactors.
- **Lines 9 & 10 (SOUTH/NORTH):** Connect to the south and north direction contactors.
- **Lines 11 & 12 (R1/R2):** Connect to spare one and spare two-way contactors.
- **Line 13 (R3):** A backup point. Connect if needed for additional functionality.

Important: Incorrect voltage connection will damage the power module inside the remote control. Always verify the voltage before connecting.

Video 2: Instructions on how to properly wire the remote control receiver.

5.2 Pairing the Transmitter and Receiver

Follow these steps to pair your transmitter with the receiver:

1. Power on the receiver. The receiver's indicator light will be red.
2. Install batteries into the transmitter.
3. Press and hold the black pairing button on the receiver for 3 seconds until the red and green lights on the main board of the receiver flash alternately.
4. Turn the emergency stop button on the transmitter to the 'ON' position (untwist it).
5. Press the 'UP' and 'DOWN' buttons on the transmitter four times each (e.g., UP, DOWN, UP, DOWN, UP, DOWN, UP, DOWN). The indicator lights above the transmitter buttons will flash alternately.
6. Press the 'START' button and the 'DOWN' button on the transmitter simultaneously.
7. The receiver's lights will stop flashing alternately, indicating successful pairing. The transmitter's status light will turn solid green.

Video 3: Demonstration of the auto-pairing process for the Q series remote control.

6. Operating Instructions

Once the system is properly wired and paired, you can begin operation.

- **Emergency Stop:** The red mushroom-head button. Press to immediately cut power to the crane. Twist to release.
- **Start Button:** The green button. Press to activate the system after releasing the emergency stop.
- **Directional Buttons:** Use the arrow buttons (UP, DOWN, EAST, WEST, NORTH, SOUTH) to control the movement of the crane or hoist.
- **LED Indicators:** The transmitter is equipped with LED lights that indicate its operating status (e.g., power, signal, battery).

7. Maintenance

Regular maintenance ensures the longevity and reliable performance of your remote control system.

- **Cleaning:** Wipe the transmitter and receiver with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Battery Replacement:** Replace transmitter batteries when the low battery indicator illuminates or performance degrades. Use only recommended battery types.
- **Connection Check:** Periodically inspect all wiring connections for tightness and signs of corrosion or damage.
- **Shell Integrity:** The PA6 (30%GF) shell is designed for durability. However, inspect for cracks or damage that could compromise its IP65 rating.

8. Troubleshooting

If you encounter issues with your TEELODANE Q400 remote control, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
System not powering on	No power to receiver; incorrect wiring; blown fuse.	Check power supply to receiver. Verify wiring according to diagram. Inspect and replace fuses if necessary.

Problem	Possible Cause	Solution
Transmitter not responding	Low or dead batteries; not paired; emergency stop engaged.	Replace transmitter batteries. Re-pair transmitter and receiver. Release emergency stop button.
Intermittent signal	Obstructions; excessive distance; interference.	Reduce distance between transmitter and receiver. Clear line of sight. Identify and mitigate sources of radio frequency interference.
Buttons not functioning correctly	Damaged button; internal fault.	Ensure buttons are not stuck. If problem persists, contact support.

9. Specifications

Feature	Specification
Brand	TEELODANE
Model Name	Q Series
Model Number	Q400
Color	AC 110V
Connectivity Technology	Radio Frequency
Button Quantity	4
Controller Type	Button Control
Maximum Range	100 Meters
Max Number of Supported Devices	1
Compatible Devices	Crane
Special Feature	Universal
Manufacturer	Nanjing Xiading electronic technology Co.,Ltd

10. Warranty and Support

The TEELODANE Q400 Industrial Wireless Crane Remote Control Kit comes with a 12-month warranty from the date of purchase. This warranty covers manufacturing defects under normal use.

For technical support, warranty claims, or further assistance, please contact the seller, LCC Electronic, through your purchase platform. Ensure you have your product model number (Q400) and purchase details available when contacting support.

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