



## Explosion Proof Double Joystick 5Speed Overhead Crane Hoist Radio Remote Control

### Key features

- Explosion Proof Design: Certified for safe use in hazardous environments, ensuring compliance with industry safety regulations.
- Radio Remote Control: Facilitates safe operation from a distance, enhancing workplace safety.
- 5 Speed Settings: Five-speed operation allows for greater control during lifting and lowering tasks.
- 3 Year Warranty, Customer Support and Service in the USA

### Explosion Proof Description

The Explosion Proof Double Joystick Overhead Crane Hoist is designed for safe operation in hazardous environments. With a robust double joystick control system, this hoist allows for precise maneuverability and control across five speed settings. Featuring radio remote control, operators can safely manage lifting operations from a distance. Built to meet stringent safety standards, this hoist is perfect for use in explosive atmospheres.

## Technical Specifications

<b>FCC ID</b>	OFNF21	<b>Transmitter Power</b>	≤10 dBm
<b>Transmitter Power Supply</b>	2 AA Batteries	<b>Wireless Frequency Range</b>	VHF: 310-331 MHz; UHF: 425-446MHz
<b>Material</b>	Glass-Fiber PA	<b>IEC Motor Protection</b>	IP65
<b>Control Distance</b>	Approx 300m	<b>Operating Temperature Range</b>	-40°C ~ 185°F / -40°C ~ 85°C
<b>Safety Code</b>	32 bits (4.3 billion)	<b>Warranty</b>	3 Year



**MODEL: EF24-60-TX**  
**ITEM CODE: 924-600-002**  
**Dimensions: 210 x 152 x 128 mm**  
**Weight: 980tg (without batteries)**



**Product Features:**

- 6 buttons, 4 three-position or two-position rotating switch, stop, start, spared button.
- 2 five-step joystick with 10 million times of mechanical life and pure proportion.
- Up to 40 control contacts.
- With battery voltage warning device, the power supply is cut off during low power.
- Safety switch key is to prevent from unauthorized user.
- Program the button function by computer interface.
- Start key can be programmed to start, toggle switch, normal or other functions.
- The spare buttons can be programmed to start, toggle, interlock or normal, etc.
- Installed with proportional module for analog signal output (optional)

**Standard Configuration:**

- One transmitter (with waist belt)
- One receiver
- Receiver with 2.5 meter cable
- Battery: Two pairs
- One receiver antenna.
- One battery box.
- Operation and maintenance manual.

**Dual power supply:**

EF24 is new series explosion-proof radio remote control based on F24 series, strictly complies with explosion-proof criterion GB3638.1 and GB3836.4, and passed EXIBll BT4 intrinsic safety in the chemical and petrochemical industries, mining and other flammable, explosive and hazardous environments.

**Transmitter Parameters: EF24-TX**

Material	Glass-Fiber PA
Enclosure protection class	IP65
Frequency range	VHF: 310~331 MHz; UHF: 425~446 MHz
Transmitter power	≤ 10 dBm
Transmitter power supply	2 AA batteries
Safety code	32 bits (4.3 billion)
Temperature range	-40°C ~ +85°C
Control distance	Approx 300m



**Safety Features.**

**Wireless Communication Safety between Transmitter and Receiver**

Continuous wireless communication connection: Based on omnibearing wireless signal transmitting design and barrier free features, operators can handle with lifting equipment precisely and avoid dangerous areas.

Non-repeated 4.3 billion codes are used for system decoding of transmitter and receiver.

Digital communication Hamming code correcting distance is 4 bits (minimum information difference between two groups digital communication)

**MODEL: F21-RXC**  
**ITEM CODE: 921-100-112**  
**Dimensions: 205 x 86 x 80 mm**  
**Weight: 620 g**



**Transmitter Parameters: F21-TX**

Material	Glass-Fiber PA
Enclosure protection class	IP65
Frequency range	VHF: 310~331MHz; UHF: 425~446MHz
Receiver sensitivity	-110dBm
Receiver power supply	18~95V AC/DC, 65~440V AC/DC (optional)
Output contactor capacity	8A sealed relay output (with AC 250V/10A relays, 10A fuse)
Control distance	Approx 300m
Safety code	32 bits (4.3 billion)
Temperature range	-40°C ~ +85°C



Shell is of antistatic material, and adding antistatic agent, the maximum enhancement in the anti-static grade products.

**Application:**

Typical application: It can be widely used in offshore oil field, oil tankers, onshore oilfield, chemical industry, oil refinery, coal mines, paint factory and aircraft maintenance facility.

Referential Images  
 Specifications may change without notice

## Unit Weight & Dimensions

<b>Total Unit Weight</b>	11 lbs / 5 Kg
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## Packaging Weight & Dimensions

<b>Package 1 Net Weight</b>	11 lbs / 5 Kg
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<b>Package 1 Width</b>	11 in / 27.94 cm
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<b>Package 1 Gross Weight</b>	11 lbs / 5 Kg
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<b>Package 1 Height</b>	7 in / 17.78 cm
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<b>Package 1 Length</b>	25 in / 63.5 cm
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