

ECD Industrial Remote Control User Manual

Product usage steps

1. Open the remote control box, take out the receiver, check that the appearance is not damaged, confirm the voltage level of the receiver, connect the outlet wire of the receiver to the control box according to the wire number, and then fix the receiver in the appropriate position;

2. Take out the transmitter and check that the appearance is not damaged. Make sure that the red emergency stop button on the top of the transmitter should be in the open position and not in the pressed position. Use a tool to open the battery compartment on the back of the transmitter, insert the battery, keep the transmitter powered on, and press the OPEN button to start operation.

A. Please read the user manual carefully before operating the machine.

- a. When our company's products leave the factory, each unit has undergone strict testing and can be used normally as long as it is properly installed.
- b. Before installation, check whether the program codes of transmitter and receiver are consistent.
- c. After use, turn off the main power supply of the crane and cut off the power supply of the receiver to avoid accidents.
- d. Do not disassemble the machine without professional personnel.
- e. Anti-fall transmitter refers to natural falling during normal use; waterproof refers to normal use, excluding long-term immersion in water; anti-corrosion refers to general acid-base environments, excluding strong acid-base environments and hydrofluoric acid environments.
- f. The normal operating temperature of this machine is -25° to $+70^{\circ}$. It is strictly prohibited to use it beyond this range.

B. Installation of receiver

- a. The installation of the receiver requires professional electrician's operation. Refer to the wiring diagram of the machine for installation.
- b. The receiver power supply is divided into two types: direct current (DC) and alternating current (AC). Before installation, you must confirm whether the connected voltage is the same as the set voltage of the machine.
- c. The receiver should be fixed outside the electric control box and cannot be blocked, and then the output wire should be passed into the electric control box for standard connection.
- d. The receiver needs to be installed away from transformers, motors and high-voltage cables to avoid signal interference. It cannot be installed on objects with shielding effect, such as concrete, steel, etc. Devices with the same frequency cannot be used within a range of 200 meters to avoid mutual interference of wireless signals.
- e. After installation, be sure to check whether the wiring is correct and whether the connection is firm.

C. Use of transmitter

- a. Insert the No.5 alkaline battery with sufficient power into the transmitter in the correct direction, and turn on the emergency stop switch. After the power is turned on, the indicator

light flashes green, which means it is normal. When the voltage is insufficient, the indicator light flashes red or the indicator light does not light up. The battery should be replaced immediately.

- b. Be sure to press the battery cover tightly to prevent water ingress.
- c. After the operation is completed, press the power off button and turn off the emergency stop switch to cut off the power. If it is not used for a long time, the battery should be removed.
- d. It is strictly prohibited to use low-quality batteries, otherwise it will cause a crash or damage the CPU chip, etc., which will be irreparable.

D. Emergency treatment

- a. In case of emergency, press the emergency stop button (STOP) quickly.
- b. Turn off the main power supply of the overhead crane.
- c. Notify the dealer to find out the reason.

E. Matching between transmitter and receiver

- a. When matching the transmitter, first insert the program card into the motherboard pin holder according to the direction prompted, then install the battery, turn on the power and the matching is completed.
- b. When matching the receiver, first turn off the power of the receiver, then insert the program card into the motherboard pin holder according to the direction prompted. When the power is turned on, the matching is completed.
- c. If you need to match multiple transmitters and receivers, just repeat the above sequence.

F. Warranty

- a. This product has a one-year shelf life from the date of shipment. Any products that require maintenance must be sent to the service office designated by Henan Nomi Electronic Technology Co., Ltd. Rejection of Cash on Delivery Charges.
- b. The warranty scope does not include consumable parts such as buttons, relays, fuses, or substrate damage caused by installation errors such as water intrusion into the battery cover. Malfunctions caused by improper use, irresistible reasons, insufficient maintenance, neglect of operating environment specifications, unauthorized changes or customer settings.

Remark

There are no other express or implied warranty matters for the aforementioned warranty matters. The warranty is the only after-sales service we provide. The manufacturer does not assume any liability for direct, indirect, special, accidental, etc. damages.

G. Precautions

- a. This manual is only for reference by the unit of use. For detailed technical questions, please consult the agent.
- b. In case of lightning strike or interference, use should be stopped immediately.
- c. Make sure the transmitter has sufficient power and the receiver power supply is normal.
- d. The transmitter of this machine can withstand considerable impact and weather resistance, but excessive or deliberate collision and crushing may cause damage.
- 5. This series of remote controls has 4 billion sets of security codes. The security code settings are different when leaving the factory. When installing, you must confirm whether there are remote controls with the same security code in the same working area to avoid incorrect operations

caused by mutual influence.

Product Inspection Qualification Form

Inspection items	Inspection content	Inspection result
Product settings	<input type="checkbox"/> Standard model <input type="checkbox"/> Customized models	<input checked="" type="checkbox"/> OK NG
Power circuit	Input voltage <input type="checkbox"/> AC36V <input type="checkbox"/> AC220V <input type="checkbox"/> AC380V No pressure drop and temperature abnormality during load test.	<input checked="" type="checkbox"/> OK NG
Key and coding lines	Corresponding key function and coding output. The voltage detection lamp of the appliance displays correctly. Static energy consumption detection is normal.	<input checked="" type="checkbox"/> OK NG
Transmitting high frequency lines	The output power is greater than the set value.	<input checked="" type="checkbox"/> OK NG
Receiving high-frequency lines	Acceptance sensitivity: ≥ -106 dbr	<input checked="" type="checkbox"/> OK NG
Coding and relay circuit	The corresponding relay must act and the contact output is correct. The corresponding LED display is correct.	<input checked="" type="checkbox"/> OK NG
Finished product test	Transmitter - the transmission frequency and output power must be within the allowable range; Receiver-acceptance frequency and sensitivity must be within the allowable range. The corresponding relay LED has frequent action output.	<input checked="" type="checkbox"/> OK NG
Packing	Product appearance, packaging box, label paper, user manual, inspection certificate, quality assurance certificate and accessories inspection.	<input checked="" type="checkbox"/> OK NG

This product has passed the inspection and is allowed to leave the factory.

FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

*** RF warning for Portable device:**

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

IC STATEMENT:

CAN ICES-003(B) / NMB-003(B)

RSS-Gen Issue 5 February 2021" & "CNR-Gen 5e édition Février 2021 :

- English:

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

- French:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

L'appareil a été évalué et répond aux exigences générales d'exposition aux RF. L'appareil peut être utilisé dans des conditions d'exposition portables sans restriction.