

Operating

Transmitter & receiver structure



General operation

1. After the receiver is connected to the correct operating voltage, the receiver's sticker "power" lights up.
2. Install the transmitter protection cover, place the battery in the battery compartment, and tighten the battery cover of the transmitter.
3. Place the "key KEY" on the back cover and reset the "emergency stop switch".
4. Press "START" to turn it on. Note: If there is no correct procedure, the emitter LED will flash red.
5. After the power is turned on, the "total stop light" is on, and the "START" alarm sounds again, and R0 is output.
6. Press each button to test if the transmitter is operating properly.

Standard equipment

Transmitter - 1 (including security key)
Receiver-1
Lithium batteries - 1
Charger - 1 (with connection)
Specification - 1 copy (including certificate)
Transmitter protection sleeve - 1
Spare fuse-1 group
Mounting Fixtures - 1 Group

Certification

Device Information:



Wireless pairing remote setting

This feature is turned off by default (to prevent users from inadvertently operating or inconvenience caused by incomplete operation).

Receiver power

There are direct current (DC) and alternating current (AC) operating voltage options. Only two levels of voltage switching are available:

Voltage	DC	AC36 48V	AC110 220V	AC220 380V
LO	Open circuit	AC36	AC110	AC220
HI	12V-72V	AC48	AC220	AC380

Transmitter battery

The transmitter needs a lithium battery to provide the required power. When the battery power is sufficient, the LED light of the transmitter is blinking green. If the LED light is yellow, the battery power is insufficient. The battery needs to be charged as soon as possible (the yellow light will continue to work for about 2 hours and then refuses to work. LED no response).

When the battery power is too low, the transmitter will automatically stop working, the transmitter LED is silent, in order to extend the battery life. It is recommended to charge more than 50 minutes.

Intermittent blinking green	Yellow light	No state	Flashing, constant red light
Enough battery	Low battery	No power	Reference LED troubleshooting

Function introduction

1. Common, self-locking, switch, dual motor, 3-speed acceleration, digital acceleration, synthesis, and whether the keys are (interlocked).
2. Some simple functional descriptions:

Project	Set title	Content	Explanation
1	Start mode	1. Any key to start 2. Start button to start	1. It means that when the emergency stop button is "unpressed" and the key is in position, it can be turned on simply by pressing any key of the transmitter. 2. This means that when the emergency stop button is "not pressed" and the key is in position, the power button of the transmitter must be pressed to perform the start-up action.

3	(Auto-OFF)	1. Shutdown 2. Do not shut down	When choosing to shut down means that the transmitter has not operated for a period of time before entering the deactivated power saving mode, an emergency stop signal will be transmitted to put the receiver into a shutdown state.
4	Function	1. Normal 2. Toggle 3. ON&OFF 4. Double motor	Normal When the key is pressed, the related relay is turned on, and when the key is released, the related relay is not turned on. Toggle When the button is clicked and released, the related relay turns on, and then click and release again, the related relay will not conduct. ON & OFF Means that a related two buttons are set to control the same relay. When the button set to "ON" is clicked and released, the related relay is turned on to change the status of the relay so that only the click is set to After the key of "OFF" is released, the related relay becomes non-conducting. Double motor 1st speed relay disconnects when the button is from 1st speed to 2nd speed.
5	Acceleration delay	0.1~4S	Delay when the button is pressed from 1st speed to 2nd speed, suitable for some buffer design, changeThe frequency has no time to deal with crashes.

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.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

A4 Series model specifications

A4-CS6	6 single speed buttons+Independent R0 (with alarm)
A4-TS6	6 double speed buttons+Independent R0 (with alarm)
A4-CS8	8single speed buttons+Independent R0 (with alarm)
A4-TS8	8double speed buttons+Independent R0 (with alarm)
A4-CS10	10single speed buttons+Independent R0 (with alarm)
A4-TS10	10double speed buttons+Independent R0 (with alarm)
A4-CS12	11single speed buttons+Independent R0 (with alarm)
A4-TS12	11double speed buttons+Independent R0 (with alarm)
A4-+ +	Any single and double speed combination, rotary switch

Warranty & Precautions of Operation

Warranty

MACNEE Group Holdings Limited. guarantees that this product meets its published specifications at the time of shipment from the factory. Under proper installation it should work as expected.

Warranty Period

This equipment is warranted against defects in material and manufacturing for a period of one year from the date of shipment. During the warranty period, MACNEE is responsible for necessary repairs as long as the product can be proved to be defective.

For warranty service or repair this product must be returned to a service facility designated by MACNEE. Buyer will pay shipping charges to MACNEE while MACNEE will pay return shipping charges.

Excluded Items

This warranty does not include consumptive parts such as batteries, fuses, buttons, relays. Also this warranty does not cover defects caused by improper installation, improper or insufficient maintenance, unauthorized modification, improper operation, ignorance of environmental specifications, or improper software or interfacing.

Remarks :

- No other warranty is expressed or implied, except for the above mentioned.
 - The remedies provided herein are the buyer' s sole and exclusive remedies.
- MACNEE shall not be liable for any direct, indirect, special, incidental or consequential damages.

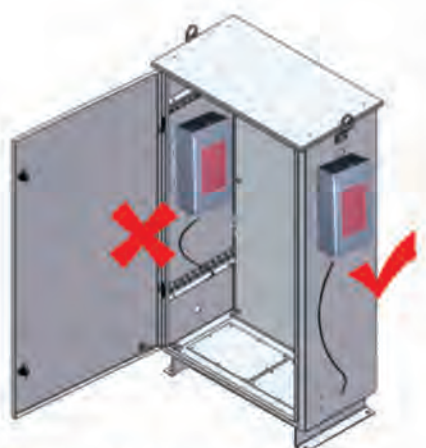
Attention

General considerations

1. Please read this manual carefully before operation and installation.
2. Based on the consideration of the complexity of the equipment, please be sure to read the entire operation manual before installation.
3. It is forbidden for any unauthorised personnel to dismantle the equipment. This will cause damage to the equipment.
4. This equipment has been subjected to stringent quality tests before leaving the factory, but it must not be used in situations where high risk and damage may occur.
5. After the overhead crane is in operation, the main power supply must be turned off to shut off the receiver power supply and remove the transmitter's switch key.
6. When the transmitter is not in use, it must be stored securely to avoid inadvertently touching the button.
7. The crane must be equipped with a main power relay, limit switches and other required safety devices.
8. Lightning or disturbing conditions should stop using this device.
9. Please ensure that the transmitter power is sufficient and the receiver power is normal.
10. The overhead power supply should be turned off during installation and maintenance, and the power supply of the receiver must be turned off to avoid electric shock.
11. The contents of the manual may be amended by the manufacturer at any time without notice.
12. If necessary, the manufacturer will introduce new features of the equipment in due course, so the content will be revised at any time according to the new features.

Installation Precautions

The receiver must be installed away from the inverter, the motor and its connecting cable at a distance of at least 50 cm (as shown below) to prevent the receiver from being disturbed by noise



The receiver can not be installed in the electric control box. The metal shell shields the radio signal. If it must be installed in the control box, the antenna must be externally exposed (explosion proof type). The receiver is fixed in place outside the electronic control box (built-in antenna, IP65 protection).

Operator precautions

1. After the remote controller is operated, remember to press the EMS emergency stop button to turn off the power of the crane and receiver and remove the transmitter's rotary switch key.
2. If the transmitter exceeds the remote control distance or is severely interfered with, the operation may be delayed or delayed. At this time, the operation should be stopped.
3. when not using the device for a long time, please take out the transmitter battery.
4. a full range of products, suitable for a variety of industrial environments, the correct operation and maintenance will extend the life of the product.
5. Before operating the product daily, check the functional status of the EMS emergency stop button and other safety measures.
6. When the device function is damaged or abnormal, please remember to press the EMS emergency stop button.
7. The operator must be familiar with the following emergency procedures before using the device.

Emergency handling

When an emergency occurs, follow these steps:

1. Press the EMS emergency stop button (you must take the total stop).
2. Unplug the key switch and remove the battery.
3. Turn off the overhead power supply and stop all operations immediately.
4. contact the dealer, find out the reason.

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

MACNEE®
Industrial remote control

PRODUCT MANUAL

Please read this manual carefully before using this product

LED indication troubleshooting

1. After the transmitter is installed with the battery, the transmitter keeps flashing red light - the action button sticks to death (excluding dust and water).
 2. After the start button of the transmitter is pressed, the red light will not start - check the key switch.
 3. do not press the start button is always red, press the start after the light does not shine - 4.0M crystal bad.
 4. the transmitter is always on and the red light does not flash - remove the battery, and then put it on after 15 seconds.
 5. normal operation without any indicator --- replace the battery, check the power.
 6. a certain action is not --- if "above" no, observe the "up" button after the indicator status.
- If the lamp has no response, the button is broken. If the lamp is on, check whether the receiver relay output is normal (cannot judge by voice). If it is normal, check the control cabinet.
7. Please contact Marconi dealer for other problems.

Wiring diagram

