

Operaring method

General operation

1. Insert 2 AA-size alkaline batteries into battery compartment.
2. Insert rotary key and switch to ON position.
3. Follow the Power -On procedure to energize the main relay inside receiver.
4. Operate normally according to the function settings have been done.
5. After operation, please proceed as following: (1) Press EMS pushbutton /mushroom, (2) remove the key and keep it in safe place, (3) Switch off the equipment's main power (e.g. Crane)

FCC Caution:

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

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. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

ID Code Remote Setting

ID Code Remote setting allows you to overwrite receiver ID code by a new one from transmitter. Before making ID code remote setting, make sure both TX and RX are in same frequency channel.

Caution: The prior receiver ID code will be permanent over written once ID code remote setting is done.

Before ID code remote setting, please follow the instruction below,

- (a) Make sure both TX and RX are same model and in the same frequency channel.
- (b) ID code remote setting jumper (JP1) on receiver must be installed in order to perform ID code remote setting function must remain active (ON). (Refer to F21 software function setting program) code setting.

(d) To avoid interference during remote setting, it's best to have transmitter close to RX as possible.

(e) Receiver power supply must be switch off (MAIN SWITCH) and turn on again after 20 seconds. (ID code remote setting must be completed within 4 minutes after receiver is being turn on again).

Instructions:

- (1) Turn off receiver power supply completely (MAIN SWITCH) and turn on again after 20 seconds.
- (2) Press transmitter Emergency Stop
- (3) Press UP pushbutton and hold it (Do not release UP pushbutton until next step is completed).
- (4) Press DOWN push button 4 times and release "STOP & UP" push buttons when red LED flash.
- (5) Start the system as usual.

Transmitter Batteries

Transmitter requires 2 AA size alkaline batteries. DO NOT use rechargeable batteries. During operation, the LED flash green when battery power is full and flash red when battery power is low. The transmitter will be remain off until the new batteries is being replaced in order to turn on again.

Receiver Power Supply

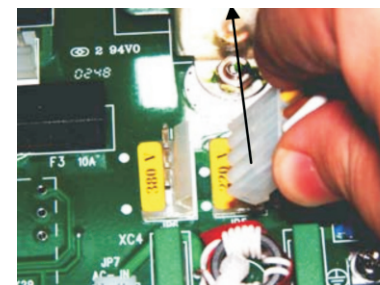
Each transformer provide 3 options voltage for receiver power supply as below

- (1) 48/110/220 VAC
- (2) 110/220/380 VAC
- (3) 48/220/380 VAC

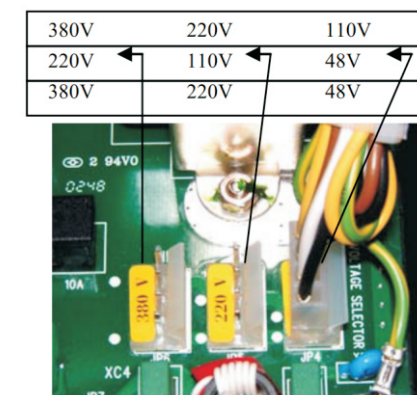
Changing power supply voltage

1. Disconnect the power of receiver.
2. Remove connector plug of the transformer from its original position (Fig A)
3. Then insert connector plug into the new position (Fig B)

Connector Plug



(Fig. A)



(Fig. B)

Extra COM of down relays

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Additional COM is available for DOWN relays. The red wire (Jump 1) is backup COM connection for down relays. If additional COM connection is required for the down relays, cut off red wire and connect new COM source for down relays.

Transmitter LED malfunction alert

(A) Red LED lamp flashing quickly (every 0.2 sec) when any pushbutton is being pressed.

Causes:

- (1) One of the pushbuttons is jammed.
- (2) The EMS mushroom is not released completely.
- (3) The transmitter is not properly Power-On according to the instructions.

Note: Please contact the distributor nearest you for further assistance if need.

(B) TX LED flashes slowly (every 0.5 sec intermittent).

Cause:

The transmitter memory is damaged. Contact the distributor for service.

Troubleshooting

(A) Symptom:

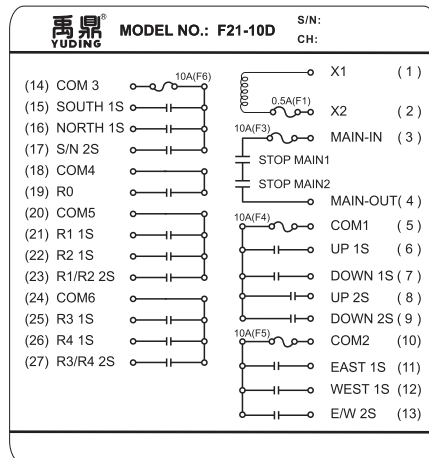
TX LED remains ON with red light.

Solution: Please remove the batteries and insert again.

(B) Symptom:

The RX does not respond at all.

Solution: Shut off main power and switch on again after 20 seconds.



Installation and Operating Manual

Warranty

Yu Ding 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, YUDING 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 TELECRANE.

Buyer will pay shipping charges to YUDING while YUDING 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

① No other warranty is expressed or implied, except for the above mentioned.

② The remedies provided herein are the buyer's sole and exclusive remedies. YUDING shall not be liable for any direct, indirect, special, incidental or consequential damages.

Attention

① Never dismantle the equipment by any unauthorized personnel, or equipment may be damaged.

② After finishing operation of YUDING radio controller shut off main power of the crane, power of receiver, and remove transmitter key. If transmitter's power is controlled by "rotary key switch", then need turn the key to "OFF" position and remove it.

③ The crane should be equipped with main power relay, limit switch and other safety devices.

Precautions (I)

To avoid any interference, the receiver must be placed as far as possible from frequency inverter and power cable.

Precaution (II)

The receiver should be installed on the top of the electrical control box. Do not mount the receiver inside the electrical control box.

Emergency

In case of Emergency, please follow the procedure below and contact the distributor for service immediately.

1. Press EMS button of transmitter.
2. Remove the key from transmitter.
3. Shut off the main power of crane.
4. Contact distributor nearest you immediately.