

F25 Industrial Radio Remote Controller

Operation Manual



Lee's Hi-tech Enterprise. Co., Ltd.

Safety Considerations

This product and related documentation must be reviewed for familiarization with safety markings and instructions before operation.

Safety Symbols The following symbols may be found on the remote control or throughout the remote control's documentation.



Refer to Manual

When product is marked with this symbol refer to instruction manual for additional information.



High Voltage

Indicates presence of hazardous voltage. Unsafe practice could result in severe personal injury.



Warning

Denotes a hazard. Included text gives proper procedures. Failure to follow instructions could result in severe personal injury and/or property damage.



Caution

Denotes a hazard. Included text gives proper procedures. Failure to follow instructions could result in minor personal injury and/or properly damage.

Warranty

Warranty

Lee's Hi-Tech Enterprises Co., Ltd. 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, TELECRANE 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 TELECRANE while TELECRANE will pay return shipping charges.

Excluded Items

This warranty does not include consumptive parts such as batteries, fuses, buttons, and 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.
- TELECRANE shall not be liable for any direct, indirect, special, incidental or consequential damages.

Precautions of Operation



Attention

1. Never dismantle the equipment by any unauthorized personnel, or equipment may be damaged.
2. This manual is for reference only. Please consult your distributor for further assistance.
3. The equipment has been strictly tested for quality before delivery from our plant. However, this equipment must not be used in dangerous situations or where damage may result.
4. After operation, shut off main power to the crane, power to receiver, and remove transmitter key.
5. Transmitter should be placed in a safe area when not in use to avoid accidental pressing of buttons.
6. The crane should be equipped with main power relay, limit switch and other safety devices.
7. Don't use equipment during lightening or high electrical interference conditions.
8. Make sure that the batteries are in good condition and power for receiver is correct.
9. Maintenance should only be done while the crane's main power is off to prevent electrical shock.
10. The contents of this manual may be amended by the manufacturer without notice.
11. The manufacturer may introduce new functions to the equipment as necessary, therefore, the descriptions may change.

Precautions

1. Operating in an industrial facility is relatively dangerous; therefore, operator must have taken the adequate trainings in using F25 system.
2. Those who operate the machine should be healthy and have good judgment in regard to safety.
3. Although the F25 transmitter is so durable and resistant for the fluctuating temperature, care still need be taken to prevent it from the severe impact or pressure.
4. If the severe interference occurred the equipment should be stopped at once.
5. Please take the batteries out when the equipment will not be used for a long time.
6. Be sure to know the "Procedures of Emergency" as follows.

Procedures of emergency

In case of an Emergency, please follow the steps below and ask the distributor for service immediately.

1. Press "EMS" button.
2. Turn the key to "OFF" position and remove it.
3. Switch off the main power of crane.
4. Advise the distributor to find out the reason.

Operation

General Operation

1. Install four AA size batteries in the transmitter and make sure the "+" and "-" direction are correct.
 2. Insert the rotary key into the keyhole at "OFF" position and then turn clockwise to "ON" position.
 3. Press the "Start" pushbutton to Power-On.
- Note:** If fail to follow the procedure above, the LED light will indicate fast flashing in red.
4. Operate normally according to the function setting has done.

Please proceed the following procedure after operation.

1. Press EMS mushroom
2. Turn the rotary key to "OFF" position.
3. Remove the rotary key.
4. Remove the batteries when the equipment is not going to be used for a long period of time.

Usage of Transmitter Battery

1. There is a 3-stage power indicating function with LED display.

(1) "Green color": Sufficient power to operate transmitter.

(2) "Yellow color": Power is depleting. Operation must be stopped immediately (for example: down the loads to ground) to replace batteries.

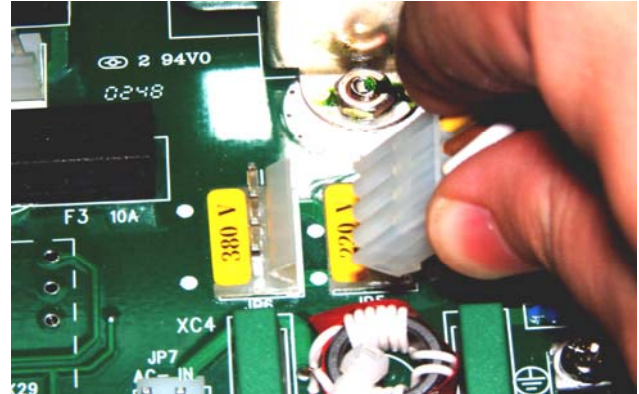
(3) "Red color": Insufficient power. Transmitter will send out an emergency stop signal to the receiver due to insufficient power. Operator should avoid this situation in order to maintain the safety of operation.

2. Turn the rotary key of the transmitter to "OFF" position; it will not only shut off the motion of the receiver but also save the power. Otherwise, the transmitter will keep staying in the standby mode and causing more power consumption.



Power Supply Selection

F25 receiver provides with 4 kinds of Transformer (24V/42V/230V 、 48V/110V/220V 、 110V/220V/380V 、 48V/220V/380V) that allows user to choose based on the power input on site and the designated voltage will be set when the receiver is made in factory.



Changing power supply voltage

3-4-1 Disconnect the power of receiver.

3-4-2 Remove the connector plug of the transformer from its original position.

3-4-3 Insert the connector plug into the new position.

3-4-4 Complete the procedure.

Note: Users are allowed to select the different power source according to the respective requirement. However, the transformer must be changed. Please check with your local distributor for replacement of the transformer if necessary.

Inspection and Fault Detection

Inspection

Daily inspection is important and will ensure the safety of operation. Inspection should include "emergency stop" and other safety devices and functions. If there is any doubt, operation must be stopped immediately and problems must be solved before resume of operation.

Fault Detection

F25 is equipped with simple fault detection mechanism. While start and during the operation, fault detection mechanism will indicate the faulty signals if any malfunction is detected. Operator must understand the faulty signals and notify the maintenance personnel.

Transmitter Fault Detection

If the LED light on the transmitter is fast flashing in red, then there must be the causes as follows:

1. Some of the push buttons are jammed or stock..
2. EMS button has not been released.
3. Fail to follow the correct Power-On procedure.

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.

Industry Canada Notice

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.

Industry Canada Caution

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.

Le présent appareil est conforme aux CNR d'IndustrieCanadaapplicables 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.