![SAFY logo] **SAFY** **(SHENZHEN)SAFY TECHNOLOGY CO., LTD**

USER MANUAL

Installation guide for tubular motor

1   Preparing the tube

-Cut the roller tube to the required length.

Note: Take into account the size of the bracket; motor head and plug end.

-Clean and de-burr the tube ends and its interior.

-Fit the plug end into the end of the tube.

2   Preparing the tubular motor

-Place the crown wheel and the drive wheel onto the

motor output shaft.

3   Fitting the motor into the tube

4   Installing the motorized tube.

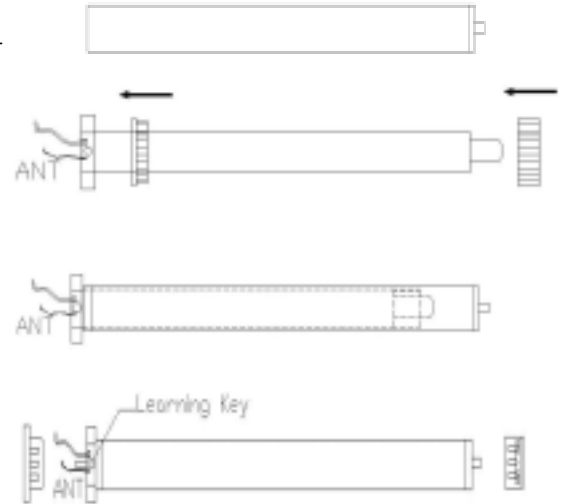-Fit the motor and the bracket, tighten them.

Note:

-Install the tube wire end on the same side as power supply.

-The slot of the "Learning key" on the motor ends should face outwards (towards you)

-Tighten the brackets until the motor is horizontal.

- Antenna shall be as straight as possible with position far away from metal objects. Direct contact to metal objects is prohibited; otherwise, the receiving distance will be influenced seriously.

Put through tubular motor power supply

Blue wire——Neutral wire   Brown wire——Live wire   Yellow & Green wire——Earth wire

After putting through the power supply, the motor buzzer will give out quick short sound "Di,Di,Di"

Distinguish & adjust tubular motor "UP" & "DOWN" direction

When motor is in **"STOP"** state, press **"UP"** key on remote transmitter, motor gives out short sound "Di"

Notes: The reverse running setting operation will be effective for 20 minutes after putting through the motor power supply. Exceeding this period (20 minutes), please cut off the power supply. And then, put through the power supply again. At that moment, the motor is entering the second 20 minutes effective operation time.

If the tubular motor roll up, press **"STOP"** key and then tubular motor stops operate. The motor running direction is not need to be changed.

If the tubular motor roll down, press **"STOP"** key and then the tubular motor stops operate. At that time, the motor should have wireless "Reverse running setting" by using the remote transmitter. Operation methods: Keep the "**REVERSE"** key on remote transmitter continuously pressed for more than 3 seconds, Release the "**REVERSE**" key when the motor gives out quick short sound "Di, Di, Di " the operation of the motor reverse running setting has finished. At that moment, the running direction is opposite to the original.

Motor limit setting

The remote transmitter wireless set the motor limit.

Notes: The motor limit setting operation will be effective for 20 minutes after putting through the motor power supply. Exceeding this period (20 minutes), please cut off the power supply. And then, put through the power supply again. At that moment, the motor is entering the second 20 minutes effective operation time.

1. **Entering the state of wireless learning:** Keep the **"LIMIT "** key on remote transmitter pressed for more than 10 seconds, When the motor gives out quick short sound "Di,Di,Di …"for more than 20 times, release the "**LIMIT**" key. At that moment, the motor is entering into limit setting state.

2. **Setting of upper limit:**

Press **"UP"** key on remote transmitter, motor would continuously roll up. When the motor operation is near the end –point of upper limit, press **"STEP"** key, the motor stops and the motor is entering the state of precise adjustment. Then, press **"UP"** a time, the motor would operate around 2 angle and then motor stops. Repeat the above operation until the motor operation reaches the end-point of upper limit. At this time, keep **"STOP"** key pressed, the motor stop running. The setting of the upper limit has finished.

3. **Setting of lower limit:**

Press **"DOWN"** key on remote transmitter, motor would continuously roll down. When the motor operation is near the end–point of lower limit, press **"STEP"** key, the motor stops and the motor is entering the state of precise adjustment. Then, press **"DOWN"** a time, the motor would operate around 2 angle and then motor stops, Repeat the above operation until the motor operation reaches the end-point of the lower limit. At this time, keep **"STOP"** key pressed, the motor stop running. When the buzzer gives out quick short sound "Di Di Di….." means the setting of all of the limit has finished.

4. Using the remote transmitter operate the motor limit setting., If you would like to re-set the tubular motor limit, please repeat all the limit operation from the 1st step.

Remarks: Accuracy of limit setting: As high as 1/125 of the outer aluminum tube diameter

Limit setting range: 0—— +∞ (The limit which motor passed through before entering into thermal protection)

SAFY tubular motor with automatic limit emendation function; no limit accumulation tolerance; limit never offset.

Remote transmitter keystroke sketch

1. UP	2. STOP
3. DOWN	4. LIMIT
5. STEP	6. REVERSE Press "4" & "2" at the same time

Operation methods for tubular motor control system

1   **Remote transmitter operation methods (Roller blinds for example)**

Press **"UP"** key on remote transmitter, blinds will roll up. At any moment, press **"STOP"** key can control blinds stop at any position. If there are no press on **"STOP"** key, blinds will automatically stop and cut off the power supply when it reach the upper limit.

Press **"DOWN"** key on remote transmitter, blinds will roll down. At any moment, press **"STOP"** key can control blinds stop at any position. If there are no press on **"STOP"** key, blinds will automatically stop and cut off the power supply when it reach the lower limit.

Diagnostics

A If nothing works, check

-when the power supply is fitted correctly and well tightened, the motor will send out the sound "Di,Di,Di".

-that the thermal protective device has not shut the motor off. If so, wait for the motor to cool down..,

B If the system does not stop, check

-that the motor continuously running toward one direction, the motor limit has not been setted successfully. Please re-set all of the limit again.

FCC NOTE:

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

APPLICANT: SHENZHEN SAFY TECHNOLOGY CO., LTD.
FCC ID: UROSF-10XSERIES