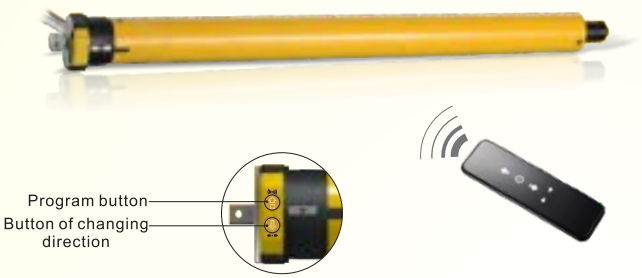
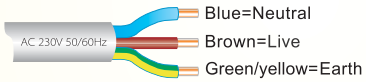
AM35/45-MEL-F Electroinc Limit Switch Tubular Motor Manual



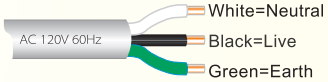
Ⅰ. Main features

- ❖ Protection functions for sensor shortcut and open circuit.
- ❖ Convert conveniently on dot move /continuous move and directions towards.
- ❖ Multiple limits preset , beside ends limits, 4 more middle limits for optional.
- ❖ Stop on block for security.
- ❖ Self-checking and correcting of brake offset。
- ❖ Automatically save the set limits and parameters when power off.
- ❖ High positioning accuracy by directly check the operation circles.
- ❖ Built in receiver mode with sensitivity at -110dBm.

Motor Cable



Optional



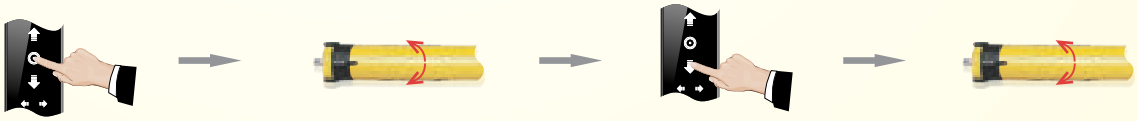
Ⅱ. Operation

1.Programming

Press"program button" for 1's → Motor jog once → Press"Up" → Motor jog once and the program finished

2.Change direction

Method 1



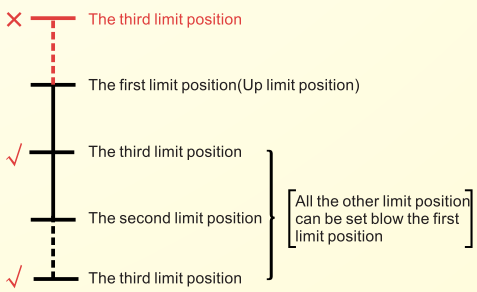
Press "stop" of the programmed transmitter for 5's → Motor jog once → Press"Down" → Motor jog once and the direction changed

Method 2

Hold the button of changing direction 7S → Hold the button of changing direction.

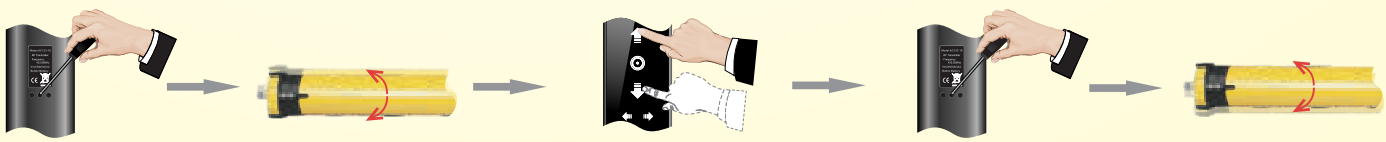
3.Limit position setting

A. Maximum six different limit positions can be set, the furthest two positions called the UP and DOWN limit position, others called the middle limit positions;
B. When the first limit position is the UP limit position(as right illustration),all other limit positions can only be set below this position; the same thing, when the first limit position is the DOWN limit position, all other limit positions can only be set above this position;
C. Every limit position can be fine-tuned or deleted separately(The first limit positi on can only be fine-tuned but can't be deleted separately. It can be deleted when delete all memories);
D. The motor stops at the next limit position after accepting once UP/DOWN order. When it reaches the UP limit position, the UP order is no use any more; when it reaches the DOWN limit position, the DOWN order is no use;
E. Press the UP/DOWN button twice on the transmitter at the speed of once a second,motor will go directly to the UP/DOWN limit position without any stop at the middle limit



4.First limit position setting

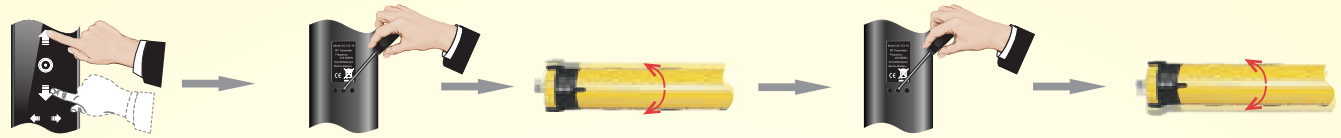
(If there's no any action within 30's , the motor will exit from limit position preparation automatically)



Press the PROG of the programmed transmitter for 1's → Motor jog once enter into limit setting preparation → Press UP adjusting the motor to the expected position and stop it to set the up limit position as first limit,Or press DOWN to set the down limits as the first limit. → Press the back PROG for 1's to keep the limit position → Motor jog once and the limit setting finished

5.Other limit position setting

＊(If there's no any action within 30's , the motor will exit from limit position preparation automatically)



Move the motor to the expected position and then press STOP.

Press back PROG for 1's

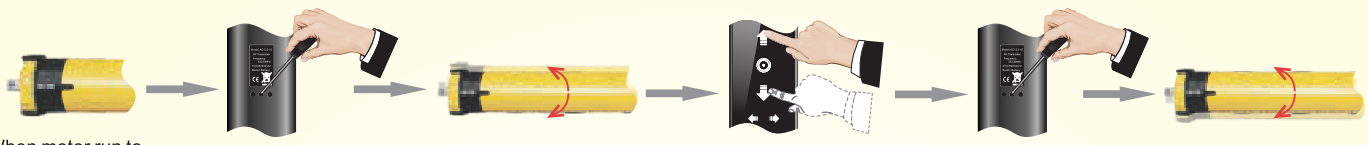
Motor jog once enter into limit setting preparation

Press back PROG for 1's to keep the limit position

Motor jog once and the limit setting finished

6.Limit position fine-tuning

＊(If there's no any action within 30's , the motor will exit from limit position preparation automatically)



When motor run to the expect fine-tune limit position

Press back PROG 1's to enter into setting condition

Motor jog once enter into limit setting preparation

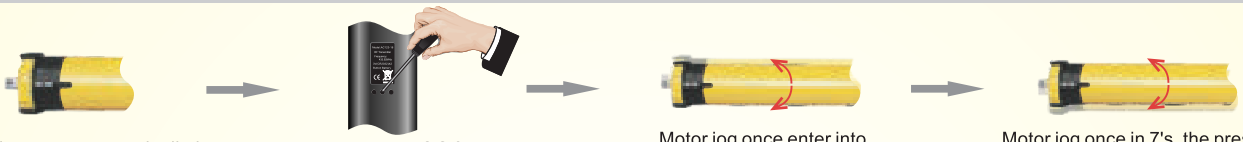
Adjust to the expected position and press STOP

Press back PROG for 1's to keep the limit position

Motor jog once and the limit fine-tune setting finished

7.Delete the limit position

＊(The first limit position can't be delete)



When motor run to the limit position which need to be deleted

Press back PROG for 7's

Motor jog once enter into limit setting preparation

Motor jog once in 7's, the preset limit position deleted

8.Dot move and continuous move convertion

Press "Stop" of the programmed transmitter for 5's

Motor jog once

Press "Stop"button

Motor jog once to confirm the convertion

9. Add the new transmitter

Press "Stop" of the programmed transmitter for 5's

Motor jog once

Press "Up" of the new transmitter

Motor jog once, new programing finished

10.Delete single channel memory

Press "Stop" of the programmed transmitter for 5's

Motor jog once

Press back PROG for 1's

Motor jog once, single channel deleted

11.Delete all the memories

Method 1

Press "Stop" of the programmed transmitter for 5's

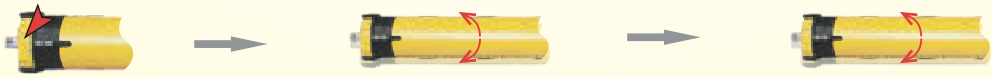
Motor jog once

Press back PROG for 7's within 10's

Motor jog once in 1's

Motor jog two more times, all the memories deleted

Method 2



Press the "Program button" of the motor for 7's

Motor jog once in 1's

Motor jog two more times, all the memories deleted

Ⅲ. Trouble Shooting

Items	Problem	Matter	Shooting
1	After connecting with the power, the motor doesn't work or work slowly	A.Connected with wrong voltage B.Over loading C.Incorrect installation leads to motor stucking	A.Change to matched voltage B.Choose suitable motor torque C.Check the components
2	The motor stops suddenly during working	A.The motor has been exceeded overheating protection, B.Power was cut off	A.After the motor with natural cooling, it will come back to work again B.The motor will come back to work once power on