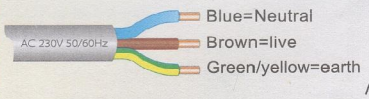
AM35/45 Electroinc Limit Switch Tubular Motor Manual V1. 4

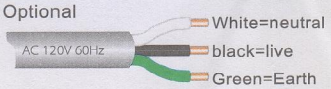
Ⅰ. Main features

- With RS232/RS485 communication interface for integrative control
- With Dry contact switch control
- Electronic limits setting by remote, easy for installation
- Multiple limits preset, beside ends limits, 4 more middle limits for optional
- Keep the limits when the power off
- Self-checking and correcting of brake offset
- Stop on block for security
- Famous quality components to ensure reliable performance

Motor Cable



Optional

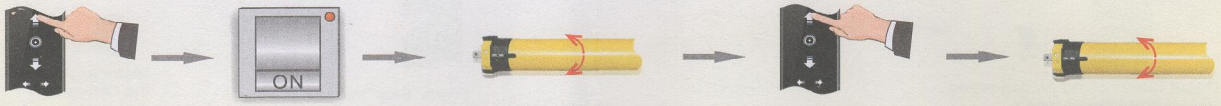


PS: 6 pin signal wires arrangement(customized only)

Ⅱ. Operation

1.Programming

Method 1



Press Up and hold on 3's → Power on the motor → Motor jog once → Press"up" → Motor jog once and the program finished

Method 2

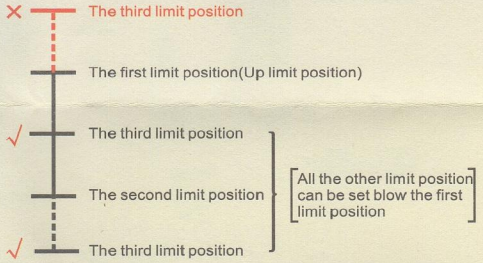
Press"program button" for 1's → Motor jog once → Press"Up" → Motor jog once and the program finished

2.Change direction

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

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



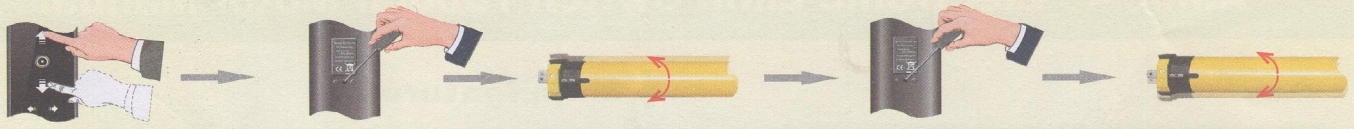
4.First limit position setting

(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

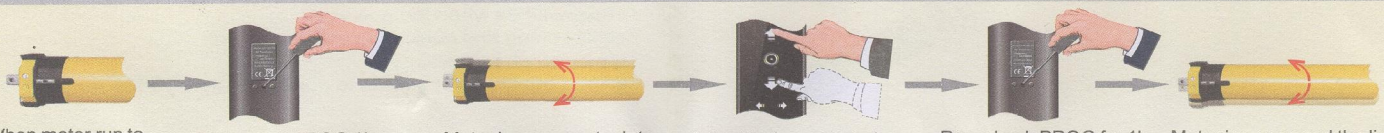
＊(If there's no any action within 30's , the motor will exit from limit position preparation automatically)



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)



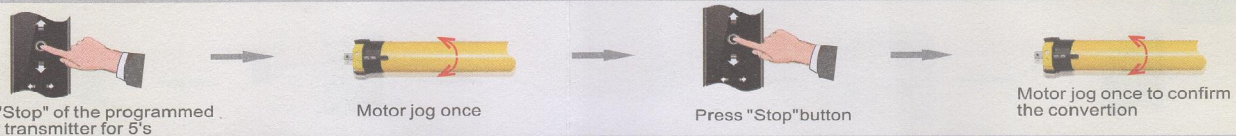
When motor run to the expect fine-tune limit position → Press back PROG 1's to enter into setting condition → Motor jog once enter into limit setting preparation → Adjust to the expected position and press STOP → Press back PROG for 1's to keep the limit position → Motor jog once and the limit fine-tune setting finished

7.Delete the limit position

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

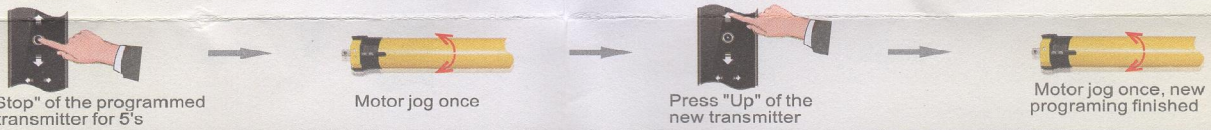
When motor run to the limit position which need to be deleted → Press back PROG for 7's → Motor jog once enter into limit setting preparation → Motor jog once in 7's, the preset limit position deleted

8.Dot move and continuous move convertion



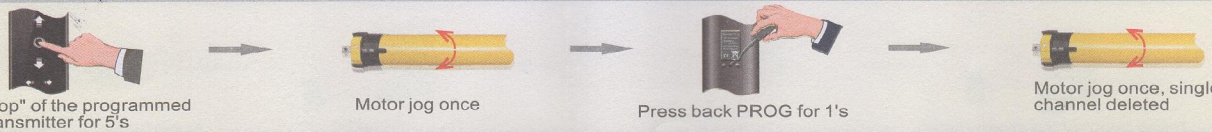
Press "Stop" of the programmed transmitter for 5's → Motor jog once → Press "Stop"button → Motor jog once to confirm the convertion

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 woring	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

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