



# INSTRUCTION FOR TUBULAR MOTOR

NO35, NO45, NO60, NOM45 / NOM60 series

**\*\*Warning: Read the safety instructions before you start installation. If these instructions are not followed, the manufacturer's liability and warranty are forfeited. manufacturer is not liable for any change in the regulations and standards introduced after the publication of this manual.**

## I .Product instruction

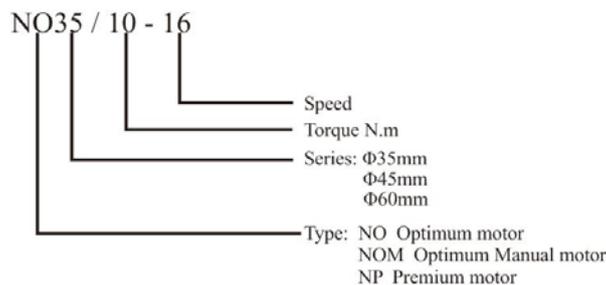
The current product can be used as an electrical drive and automatic control for the rolling doors, the awnings or the similar equipments. With the advantages of compact structure, easy operation, convenience installation and high liability, the product is widely used in residences, stores and hotels.

## II . Warnings:

- Motor installation and adjustment should be operated by professional staff, using the appliance only in the described manner.
  - Don't use or stop the use if the appliance is damaged, especially the electrical wire and sleeve. If the cable is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person in order to avoid a hazard.
  - Children can't recognize the risks of electrical appliances. Therefore use or keep the appliance only under supervision of adults or out of the reach of children.
- \*\*Important safety instructions. It is important to follow and keep these instructions for the sake of safety.**
- Don't operate the awning when maintenance, such as cleaning window, is being carried out in the vicinity.
  - Don't allow children to play with remote control. Keep remote control away from children.
  - Before installation, please check whether drive parts have good mechanical performance, balance and the action of open and close.
  - Motor installation should be correct and reliable. Shutter should move along its rail smoothly, without any hindrances.
  - Electrical outlet should collocate earth jack and be reliably connected to the earth.
  - For installation for awnings, a horizontal distance of at least 0,4m is to be maintained between the fully unrolled driven part and any fixed part.
  - The rated torque and operating time required must be calculated when selecting a motor for a blind, awning or shutter.
  - The cables must be installed inside the room unless they are protected by conduit which is sun resistant.
  - When operating the motor, ensure there is no person within the area before the door or shutter closes completely.
  - All wire can't touch the roller shutter during the installation and use of motor. Keep the receiving antenna in good conditions. (Don't cut the antenna short or wrap metal material around it, otherwise, it will affect the control.)
  - It will be better to install the motor in the ventilation and desiccation environment.
  - Before carrying out any form of maintenance, isolate the power to the motor and controls.
  - In case you have any questions regarding the installation and the operation of the Lianda motor, or the accessories, please call +86-572-3787555 for the consultation.
  - The product can only be used when it is protected by an external rolling tube.

## III . Product reference instruction:

- Product reference:



- Product label

Exempl: NO35/10-16

Rated Voltage:AC230V

Rated Power: 150W

Rated Speed: 16rpm

Rated operate time: 4min

Protection class: H

Moisture protection : IP44

Frequency: 50Hz

Rated Torque: 10N.m

Rated Current: 0.55A



: Conformity European



: Only interior decoration



: Don't throw in the life rubbish



: Read instruction before installation

**IV. Structure characteristic:**

1. Insert the motor into the roller, the motor will pass the torque onto the roller through the adaptor, and to drive the rolling doors or the similar equipment up and down.
2. Regulate the open and close position of the shutter through the limit switch unit inside the motor.
3. In case of a black out, and no backup power neither, a motor with the manual function(manual) can realize the open and close of the shutter with a manual handle.
4. Product Scheme: Fig.1 Manual , Fig.2 Without manual

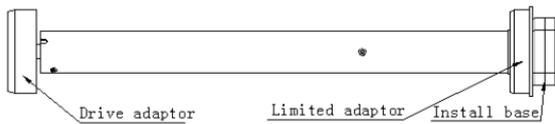


Fig.1 Manual

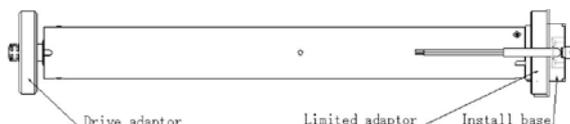


Fig.2 Without manual

**V. Installation:**

1. Ensure the supplied power is in accordance with the specification.
2. Check the dimensions and the shapes of the limit adaptor and the drive adaptor if they are both in accordance with the roller, before the installation, be sure that all the accessories are fixed and will not cause any mechanical obstruction to the motor.
3. While defining the position of installation, the customer can choose to install the motor on the right or the left of the shutter according to the real condition.
4. If it is a round roller, make a slot at the end of the roller to allow the Limit switch unit work properly; if it is the other shape, then inset the motor directly into the roller.
5. After inserting the motor into the roller, use the screw to fix the limit adaptor to the roller to ensure the normal functioning of the motor.
6. During the installation, keep the motor and the roller horizontal, and the roller should be vertical to each side of the door or window.
7. Fix the mounting brackets on each side to the wall firmly with the screws.
8. Fix the mounting bracket above the window or the door.
9. Mounting scheme, Fig.3

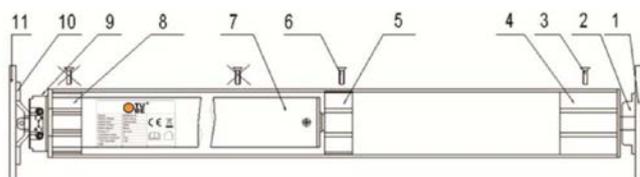


Fig.3

1. Wallboard
2. Underprop board
3. Bolt
4. Driven Shaft Bushing
5. Drive Adaptor
6. Bolt
7. Tubular Motor
8. Limited Adaptor
9. Install Base
10. Star-shape Board
11. Wallboard

10. After the installation, power on the motor, push the button rapidly to check if the up and down movements are good.
11. If the direction of the movement is not in accordance with the signs on the button box, switch the Connection of the brown and black wire.

**VI. Electrical scheme: Fig.4**

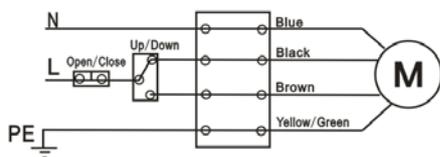


Fig.4

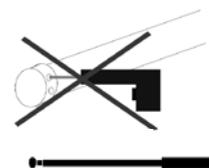


Fig.6

**VII. Limit setting:**

1. The customer can set limit positions according to their situations.
2. According to the motor's rotating direction and the adjusting instruction, Insert travel limit pole into its travel limit hole to adjust limit travel(end limit setting with drill is forbidden(Fig.6)): the direction of "+" will increase the shutter's travel; the direction of "-" will reduce the shutter's travel. (Fig.5)

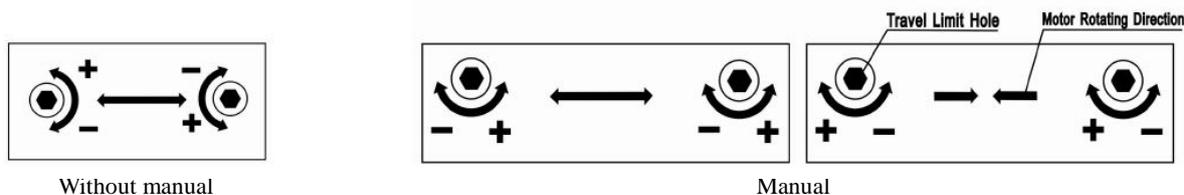


Fig.5

3. After setting the limits, start motor to make the shutter go up-and-down once, to see if the positions are well setted.