

INSTRUCTIONS FOR ASSEMBLY AND USE OF THE MOBILUS PR TUBULAR MOTOR

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ATTENTION!

The rotary tubular motor is used to automatically operate rolled curtains, i.e. roller shutters, grilles and roller doors, etc.

Incorrect installation of the tubular motor can lead to personal injury, so follow the instructions below. It should also be kept.

Do not allow children to play with the installed tubular motor controls. Any tubular motor remote controls should also be kept out of the reach of children.

Regularly check the technical condition of the tubular motor, cables and control devices. The tubular motor must not be used if it needs repair or adjustment.

Power off installation and maintenance. The tubular motor is not intended for use by persons (including children) with limited physical, sensory or mental abilities, or persons with no experience or knowledge of such equipment, unless it is done under supervision or in accordance with the instructions for its use, provided by responsible persons for the safety of the tubular motor.

Electrical connections of the rotary tubular motor should be made only by persons with electrical qualifications according to the attached wiring diagram in accordance with all applicable regulations.

The switch to control the tubular motor should be located in a visible place, away from moving parts, at a height of more than 1.5 m.

The electrical installation of tubular motors should be equipped with safety disconnecting devices.

IMPORTANT!

The rotary tubular motor is not designed for continuous operation. After prolonged use, the thermal fuse may trip. In this case, please wait

until the tubular motor cools down and is ready for operation again (approx. 15 min).

The warranty does not cover tubular motors that have been tampered with without the manufacturer's consent, tubular motors with any kind of mechanical damage, tubular motors whose assembly and electrical connections have not been made in accordance with the instructions below, and tubular motors not properly selected in terms of their permissible load (see the tubular motor selection table in the MOBILUS MOTOR offer).

- | | |
|------------------------------|--------------------------------------|
| 1. Tubular motor components: | 2. Tubular motor cables: |
| a) rotary tubular motor, | PE - grounding - yellow-green color, |
| b) driver and adapter, | N - zero - blue color, |
| c) a fastening element. | L1 - phase 1 - brown color, |
| | L2 - phase 2 - black. |

INSTALLATION OF THE Tubular motor

The version of the MOBILUS PR M35 tubular motor is available only in the variant with the MOBILUS head. The MOBILUS PR M45 tubular motor is available in two variants:

- equipped with a MOBILUS head - standard M35 and M45 series holders are used for assembly.
- tubular motor head compatible with star brackets allowing for mounting tubular motor in most roller shutter systems.

Select a bracket for mounting the tubular motor to the side, appropriate for the type of installation. Attach the adapter and driver properly matched to the winding tube to the tubular motor. Insert the cylinder with the driver and the adapter into the roller tube (DO NOT KICK!). Connect the tubular motor with the mounting bracket so that free access to the limit switch knobs is possible.

ATTENTION! During assembly, it is required to use special hangers - locks, and buffers in the bottom slot of the roller shutter. This is necessary for automatic end position recognition.

CONNECTING THE Tubular motor TO THE POWER SUPPLY

- Do not allow simultaneous up and down orders, so only electrically or mechanically locked switches should be used.
- You can connect a maximum of 5 tubular motors to one switch. For this purpose, the appropriate controls of MOBILUS MOTOR are used.

The tubular motor should be connected to the power supply only according to the scheme (Fig. 1).

In order to change the directions of winding, the black and brown wires should be replaced (Fig. 3).

LIMIT POSITION SETTINGS

MOBILUS PR tubular motors do not require adjustment. The drive sets the limit positions automatically. The built-in overload detection module will detect resistance during the operation of the roller shutter and stop it, thanks to which the roller blind will not be destroyed. Overload detection will work every time the roller blind reaches the end position.

POWER SUPPLY SCHEME

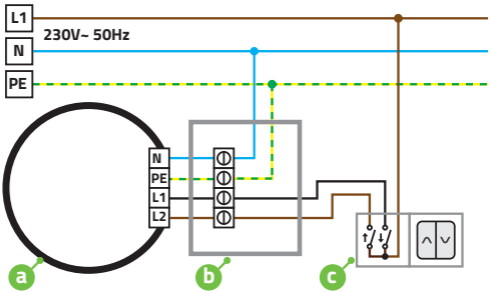


Fig. 1

a) TUBULAR MOTOR

b) CONNECTION BOXING BOX

c) MONOSTABLE SWITCH [UNSTANDING].

— PHASE L1 / DIRECTION 1

— PHASE L2 / DIRECTION 2

— N - NEUTRAL

— PROTECTIVE

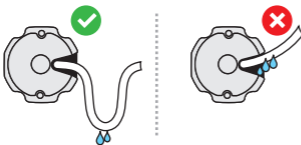


Fig. 2

CHANGING THE DIRECTION OF THE Tubular motor BY CHANGING THE WIRES

If we press the UP direction button on the switch and the armour goes DOWN, change the direction of rotation of the drive. To do this, change the order of the wires UP and DOWN - Fig. 3.

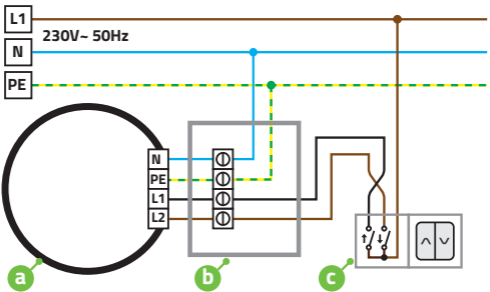


Fig. 3

WARNINGS

- Do not approach a moving shutter until it closes completely.
- Take special care with emergency manual operation of the tubular motor, as the open shutter may suddenly fall sharply due to weak or broken hangers.
- It is not allowed to start the roller shutters if the building is maintained in its immediate vicinity, such as window cleaning.

Disconnect the power supply of the automatically controlled roller shutter tubular motor if the building is maintained in its immediate vicinity, such as window cleaning.

Technical data of the tubular motor are given on its nameplate.

The minimum diameter of the pipe in which the tubular motor can be installed is 40 mm.

