

# **User manual-Control Box**

## **TC16P series**

**General Information:****Contact Information:**

TiMOTION Technology Co., Ltd.

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**Symbol Descriptions**

The following symbols may appear in this manual, on the label, or on its accessories. Some of the symbols represent standards and compliances associated with the Control box and its use.



Caution: Consult accompanying documents



CE Mark: conform with the essential health and safety requirements set out in European Directives.



The product can be used indoors only.



DISPOSAL: Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.



Alternating current



Direct current

**Mode of operation:**

Duty Cycle: Max 10%, Max 2 Min On /18 Min Off

**Environmental Requirements**

Operation conditions

Ambient temperature: 10°C ~ 40°C

Relative humidity range: 10% ~ 93%

Atmospheric pressure: 86KPa~ 106Kpa

Storage and shipping conditions

Ambient temperature: -10°C ~ 50°C

Relative humidity range: 10% ~ 93%

Atmospheric pressure: 86KPa~ 106KPa

**Warning:**

1. Please read this user manual carefully before use.
2. You must be connected to the correct mains.
3. For any accessories connected to this control box, the plug type, pins definition and electrical character must comply with its specifications.
4. Use only approved equipment. Do not use cables, handsets, actuators, or optional equipment other than those specified by T-motion to function improperly.
5. Use only the specified power cord specified by the manufacturer.
6. Equipment not suitable for use in the presence of a flammable anaesthetic mixture with air or with oxygen or nitrous oxide.
7. The device is not classified as category AP/APG equipment.
8. Disposal: Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact you local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.
9. The device is not suitable for use in the presence of flammable anesthetic mixtures with air or with oxygen or nitrous oxide.
10. The device requires no calibration.
11. The device is not repairable and contains no user serviceable parts.
12. No modification of this equipment is allowed.
13. The user must check that the equipment functions safely and see that it is in proper working condition before being used.
14. The manufacturer does not require such preventive inspections by other persons.
15. Do not position the equipment so that it is difficult to operate the disconnection device.

**FCC STATEMENT:**

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2. any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

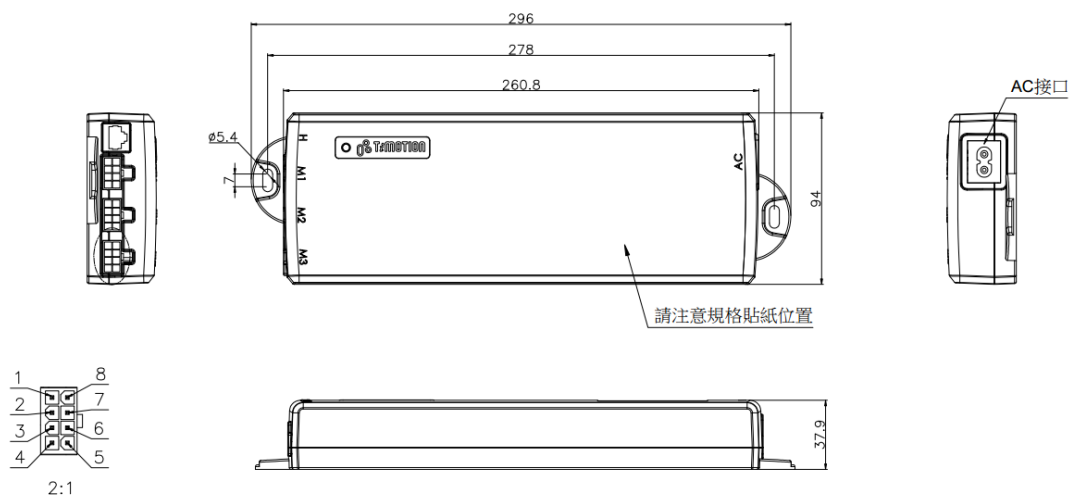
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

#### FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body

**Model No.:**



**Model list:**

| Model        | Input                 | Max. Output (Actuator) |
|--------------|-----------------------|------------------------|
| TC16P-QZ120C | 100-240VAC,50/60Hz,4A | 32Vdc,10A              |
| TC16P-QZ120  | 100-240VAC,50/60Hz,4A | 32Vdc,10A              |

|                                              |                        |
|----------------------------------------------|------------------------|
| Degree of protection against electric shock: | No applied part        |
| Protection against ingress of water:         | IP20                   |
| Mode of operation:                           | Intermittent operation |

This control box is designed to be used on motorized furniture and its basic function is to control the movement of up to 2 electro-mechanical actuators.

Models TC16P-QZ120C and TC16P-QZ120 are identical except that 5V output.

The use of the output line is not more than 2 m.

### **Maintain & Cleaning:**

- The control box is a maintain-free device. Under normal conditions, maintain is not necessary.
- For some applications that not all DC Output (Actuator) connectors are used, the rubber inserts are needed to seal those connectors which are not used. If these connectors are not well sealed, the water/steam used in washing and cleaning may flow into the control box which will cause unexpected damage to the control box.