

Tekswamp JCB36N1-110

Tekswamp Control System JCB36N1-110 User Manual

Model: JCB36N1-110

1. OVERVIEW

The Tekswamp Control System JCB36N1-110 is a power supply unit designed for stand-up electric desks. It provides the necessary DC 24V 5A output to power the linear actuators of your desk, enabling smooth height adjustments. This unit is manufactured by Jiecang Linear Motion and is built with quality materials to ensure reliable and safe operation.



Figure 1.1: Tekswamp Control System JCB36N1-110 with included power cord.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x Control System JCB36N1-110
- 1 x Power Cord

3. SAFETY INFORMATION

To ensure safe and efficient operation of your control system, please adhere to the following safety guidelines:

- **Indoor Use Only:** This device is intended for indoor use in dry environments. Do not expose it to water, moisture, or extreme temperatures.
- **Compatible Actuators:** This control system is designed for use with **two linear actuators**. Using it with a different number of actuators may lead to malfunction or damage.
- **Duty Cycle:** The unit has a duty cycle of 10%, with a maximum of 2 minutes of continuous operation followed by a minimum of 18 minutes of rest. Exceeding this duty cycle can cause internal overheating and reduce the lifespan of the device.
- **Power Requirements:** Ensure the input voltage matches the specifications (100-120VAC~4.2A 50/60Hz).
- **Proper Connection:** Always ensure correct polarity, voltage, and tip size when connecting to your device to prevent damage.
- **Ventilation:** Do not obstruct the ventilation openings of the control system. Ensure adequate airflow around the unit.

4. SPECIFICATIONS

Detailed technical specifications for the Control System JCB36N1-110:



Figure 4.1: Product label detailing electrical specifications and model number.

Feature	Description
Model	JCB36N1-110
Brand	Jiechang Linear Motion (Control System), Tekswamp (Distributor)
Input Voltage	100-120VAC~4.2A 50/60Hz
Output Voltage/Current	DC 24V, 5A (each M1/M2 output)
Compatible Devices	Stand-Up Electric Desk (with 2 linear actuators)
Connector Type	6-Pin (for desk connection)
Duty Cycle	10% (Max. 2 min operate / Min. 18 min stop)

5. SETUP

5.1 Connecting the Power Supply

1. Locate the AC input port on the control system.
2. Connect the provided power cord to the AC input port of the control system.
3. Plug the other end of the power cord into a standard 100-120VAC wall outlet.



Figure 5.1: Connecting the AC power cord to the control system.

5.2 Connecting to the Electric Desk

The control system features dedicated ports for connecting to your stand-up electric desk's linear actuators and control panel.

1. Identify the M1 and M2 output ports on the control system. These are typically 6-pin connectors.
2. Connect the cables from your desk's linear actuators to the M1 and M2 ports. Ensure a secure connection.
3. If your desk has a separate control panel or handset, connect its cable to the designated port (often labeled 'F' or 'HS' for handset).



Figure 5.2: Output ports for linear actuators (M1, M2) and handset (F, HS).

6. OPERATING INSTRUCTIONS

Once the control system is properly connected to the power source and your electric desk, it is ready for operation. Use your desk's integrated control panel to adjust the height. Remember to observe the duty cycle of the control system: a maximum of 2 minutes of continuous operation, followed by a minimum of 18 minutes of rest. This ensures the longevity and stable performance of the unit.

7. MAINTENANCE

The Control System JCB36N1-110 requires minimal maintenance. Follow these guidelines to keep your unit in optimal condition:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the unit. Do not use liquid cleaners or abrasive materials.
- **Environment:** Keep the control system in a dry, well-ventilated area, away from direct sunlight, heat sources, and moisture.
- **Cable Management:** Ensure all cables are neatly routed and not pinched or strained to prevent damage.

8. TROUBLESHOOTING

If you encounter issues with your control system, refer to the following common problems and solutions:

- **Desk Not Moving:**

- Ensure the power cord is securely plugged into both the control system and the wall outlet.
- Verify that the cables from the linear actuators and control panel are correctly and securely connected to the control system's ports (M1, M2, F/HS).
- Check if the wall outlet is functional by plugging in another device.

- **Intermittent Operation or Stops During Adjustment:**

- The unit may have reached its duty cycle limit (2 minutes of operation). Allow the unit to rest for at least 18 minutes before attempting further adjustments.
- Ensure the desk is not overloaded beyond its weight capacity, as this can strain the system.

- **Unusual Noises or Smells:**

- Immediately disconnect the power supply from the wall outlet.
- Contact customer support for assistance. Do not attempt to open or repair the unit yourself.

- **Power Light Not On (if applicable):**

- Confirm the power cord is fully inserted and the wall outlet has power.
- Check for any tripped circuit breakers in your electrical panel.

If these steps do not resolve the issue, please refer to the Warranty and Support section for further assistance.

9. WARRANTY AND SUPPORT

Tekswamp products are professionally tested and designed for quality and reliability. This adapter includes multiple smart features for safeguarding against incorrect voltage, short circuits, and internal overheating.

For any questions, technical support, or warranty inquiries, please contact Tekswamp customer service. You can find more information and contact details by visiting the official Tekswamp store on Amazon:

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