Jectse Jectseh4tnewb30y-03

Jectse Timer Soft Starter Instruction Manual

Model: Jectseh4tnewb30y-03

1. Product Overview

The Jectse Timer Soft Starter is a versatile delay relay motor starter designed for efficient motor start control. It features adjustable delay ranges and wide working voltage compatibility, making it suitable for various industrial and scientific applications.

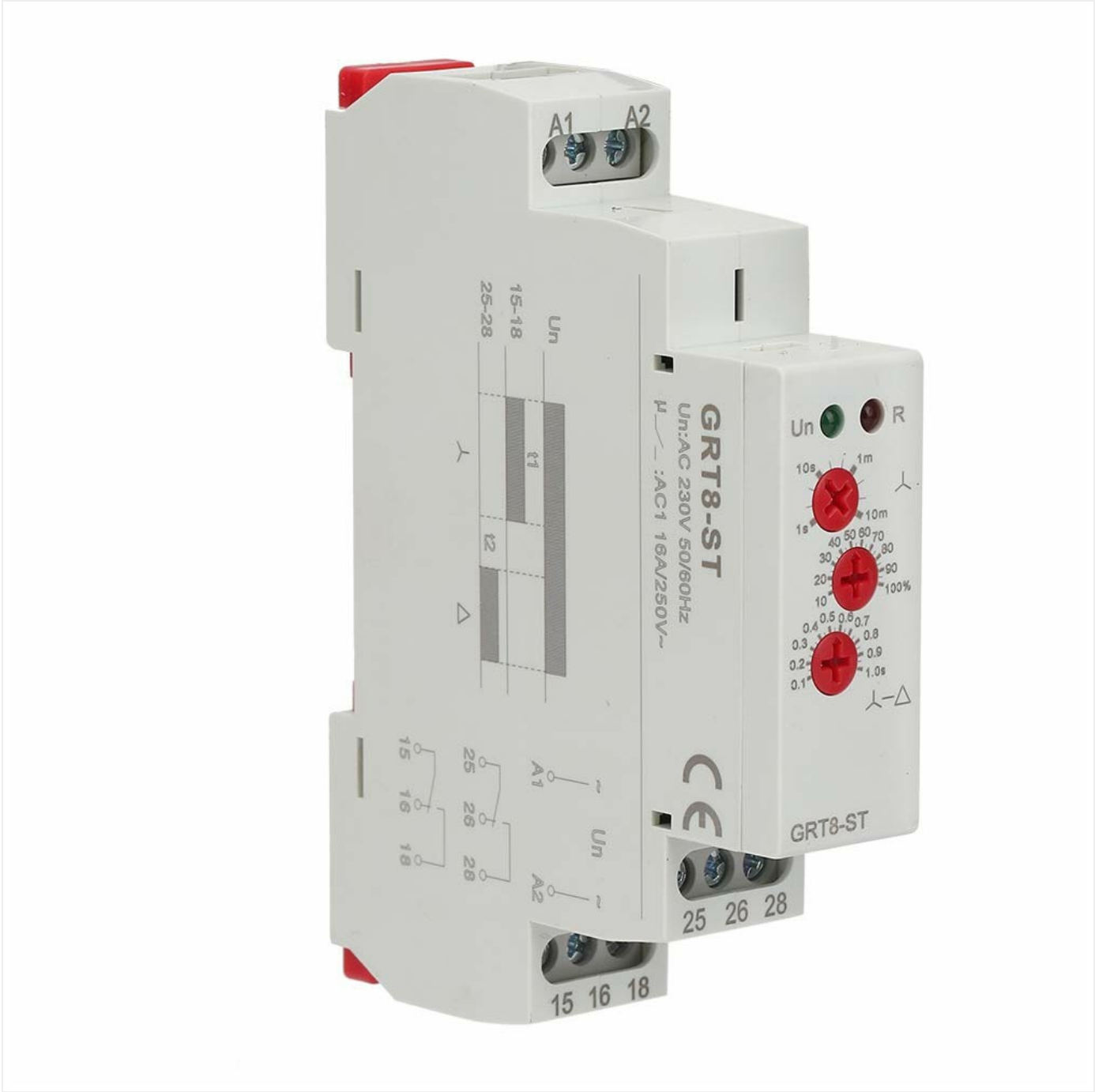

Figure 1: Front view of the Jectse Timer Soft Starter, showing the control knobs and indicator lights.

2. Key Features

- **Adjustable Start Delay (T1):** Range from 0.1 seconds to 10 minutes, set via knob.
- **Adjustable Conversion Time (T2):** Range from 0.1 seconds to 1 second, set via knob.
- **Wide Working Voltage:** Supports AC/DC 12V to 240V.
- **LED Indicators:** Clearly shows the working status of the relay.
- **Compact Design:** Super small size, only 18mm wide, designed for 35mm rail mounting.

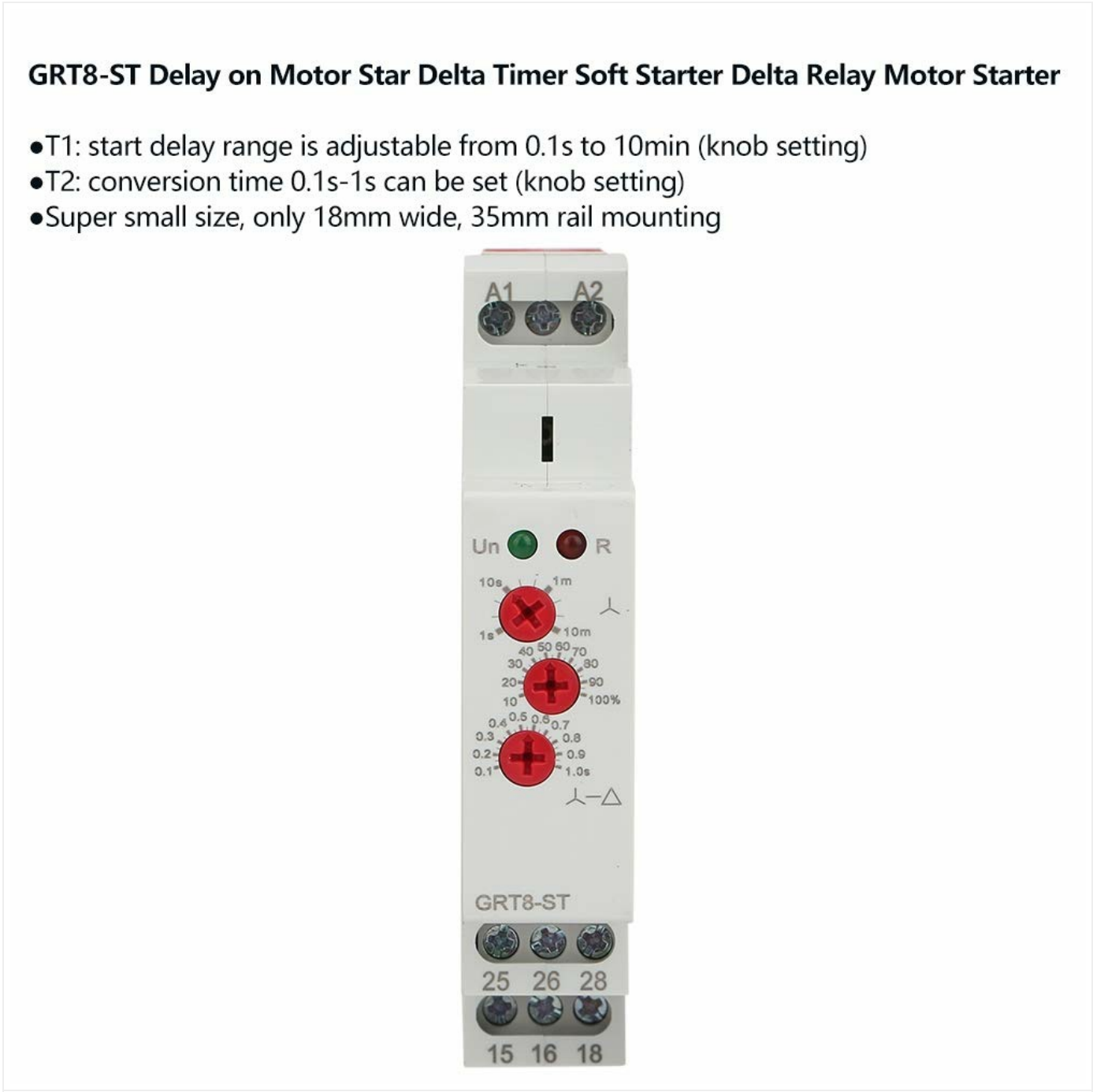

Figure 2: The soft starter unit highlighting its compact size and adjustable settings.

3. Safety Information

Please read and understand all safety instructions before installing or operating this device. Failure to follow these instructions may result in electrical shock, fire, or serious injury.

- Ensure power is disconnected before any installation or wiring.
- Installation should only be performed by qualified personnel.
- Verify correct voltage and current ratings before connecting to a power source.
- Do not expose the device to moisture or extreme temperatures.
- Ensure proper grounding where required.

4. Package Contents

The package includes:

- 1 x Jectse Timer Soft Starter

5. Setup and Installation

The Jectse Timer Soft Starter is designed for 35mm DIN rail mounting. Follow these steps for proper installation:

1. Ensure all power to the circuit is turned off at the main breaker.
2. Mount the soft starter securely onto a standard 35mm DIN rail. The red clips on the side facilitate easy mounting and removal.
3. Connect the power supply to terminals A1 and A2. The device supports AC/DC 12-240V.
4. Connect the motor control wiring to the output terminals (15, 16, 18, 25, 26, 28) as per your application's wiring diagram. Refer to the diagram on the side of the unit for specific connections.
5. Ensure all wiring connections are secure and meet the specified wiring capacity (1x2.5mm² or 2x 1.5mm²).
6. Double-check all connections before restoring power.

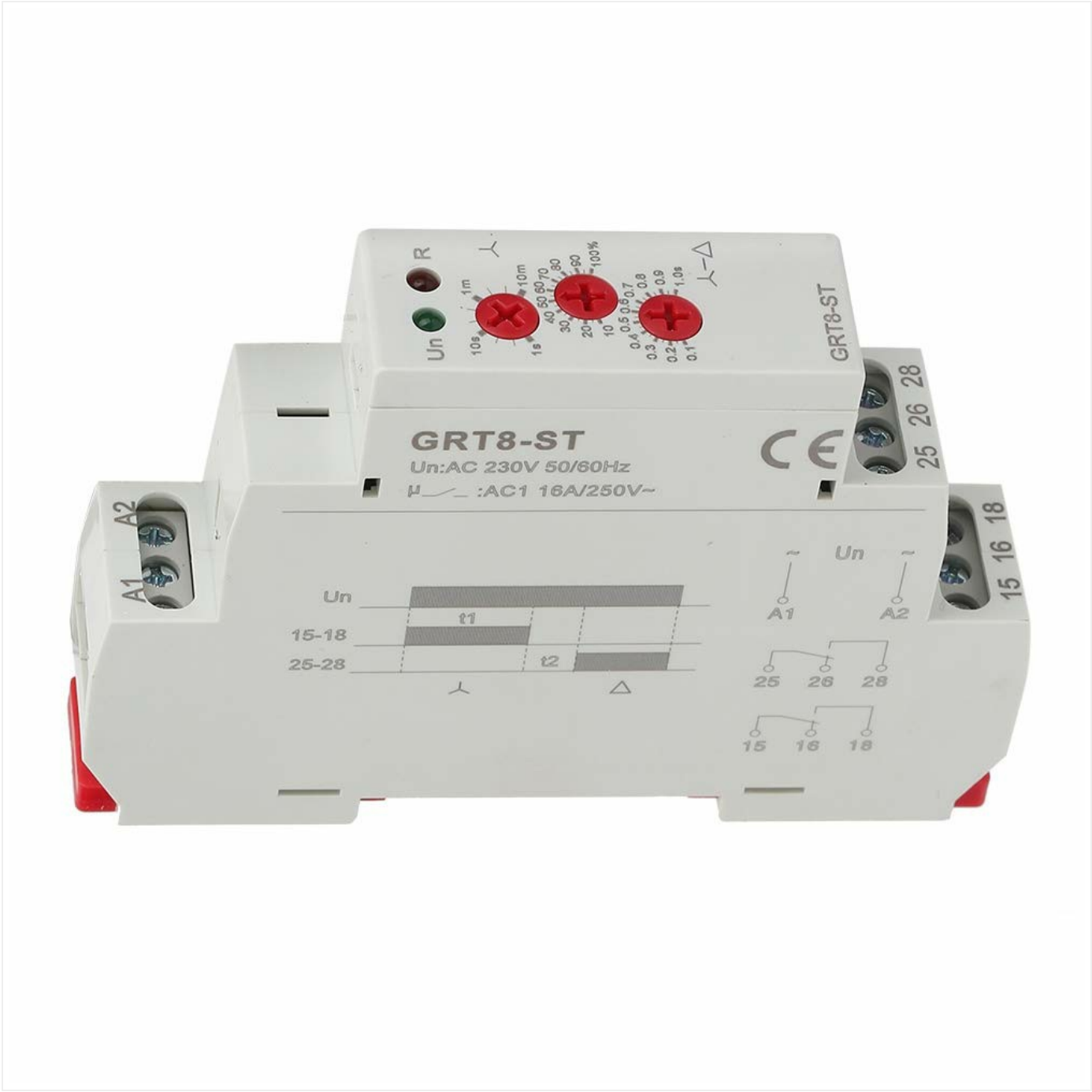

Figure 3: Close-up view of the wiring terminals and the integrated wiring diagram on the unit.

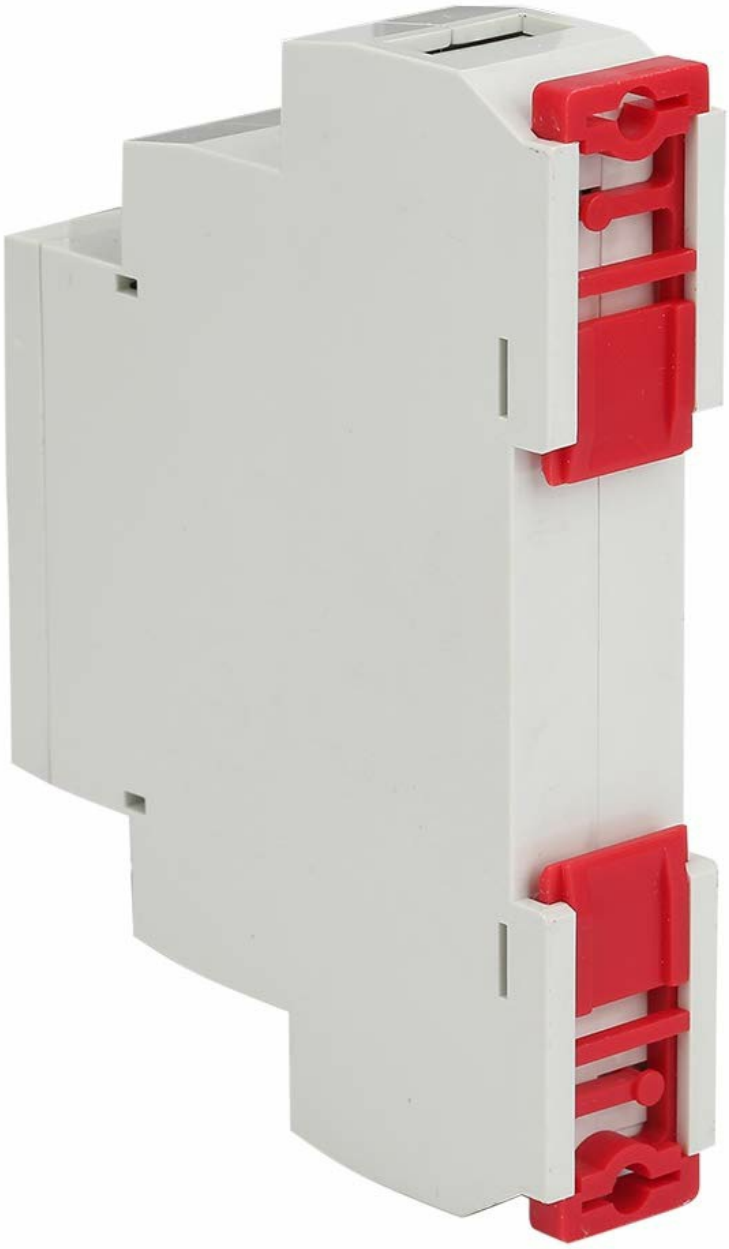

Figure 4: Side view illustrating the red clips for DIN rail mounting.

6. Operating Instructions

Once installed and powered, the Timer Soft Starter operates based on its configured delay settings.

- **Setting Start Delay (T1):** Use the knob labeled 'T1' to adjust the initial start delay from 0.1 seconds to 10 minutes. This delay determines how long the soft starter waits before initiating the motor start sequence.
- **Setting Conversion Time (T2):** Use the knob labeled 'T2' to set the conversion time from 0.1 seconds to 1 second. This time is crucial for the smooth transition during the motor's soft start phase.
- **LED Indicators:**
  - A green LED indicates the power status (Un).
  - A red LED indicates the relay's working status (R).

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Video 1: An overview of the Jectse Timer Soft Starter, demonstrating its features and appearance.

7. Maintenance

The Jectse Timer Soft Starter is designed for long-term reliability with minimal maintenance. However, regular checks can ensure optimal performance:

- Periodically inspect wiring connections for tightness and signs of wear or corrosion.
- Keep the unit clean and free from dust and debris. Use a dry, soft cloth for cleaning.
- Ensure the operating environment remains within the specified temperature and humidity ranges.
- Do not attempt to open or repair the unit yourself. Refer to qualified service personnel.

8. Troubleshooting

If you encounter issues with your Timer Soft Starter, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Unit not powering on (Green LED off)	No power supply; Incorrect wiring; Faulty unit.	Check power source; Verify A1/A2 wiring; Contact support if power is present and wired correctly.
Motor not starting after delay	Incorrect output wiring; Relay not activating; Motor issue.	Check output terminals (15, 16, 18, 25, 26, 28) connections; Observe red LED for relay status; Test motor independently.
Delay times are inaccurate	Knob settings incorrect; Environmental factors.	Re-adjust T1 and T2 knobs carefully; Ensure stable operating environment.

If the problem persists after attempting these solutions, please contact Jectse customer support.

9. Specifications

Parameter	Value
Type	AC/DC 12V~240V
Rated Control Power Supply Voltage	AC/DC 12-240V (50/60Hz)
Power Consumption	AC 0.7-3VA / DC 0.5-1.7W
Starting Delay (T1)	0.1s - 10min
Conversion Delay (T2)	0.1s - 1s
Setting Accuracy	5%
Repeat Accuracy	0.2%
Output	Two sets of conversion contacts 16A/AC250VAC
Minimum Switching Power	500mW
Mechanical Life	1 x 10,000,000 cycles

Parameter	Value
Electrical Life (Load)	1,000,000 cycles
Reset Time	200ms maximum
Working Environment Temperature	-20°C ~ 55°C
Storage and Transportation Temperature	-35°C ~ 75°C
Installation	35mm rail mounting
Protection Level	IP20
Installation Altitude	2000 meters
Pollution Level	2
Wiring Capacity	1x2.5mm² or 2x 1.5mm²
Dimensions	90 x 18 x 64mm (3.5 x 0.7 x 2.5in)
Conforming to Standard	GB14048.5.IEC/EN 60255-1
Weight	Approx. 96g (3.4oz)

10. Warranty and Support

For warranty information or technical support, please contact Jectse customer service. Keep your purchase receipt for any warranty claims.
Manufacturer: Jectse
Model Number: Jectseh4tnewb30y-03
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