

## FEILUDE YZ-318EAA

# FEILUDE YZ-318EAA Electronic Ballast for T8 Fluorescent Lamps User Manual

Model: YZ-318EAA

## 1. INTRODUCTION

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This manual provides detailed instructions for the safe installation, operation, and maintenance of the FEILUDE YZ-318EAA electronic ballast. This ballast is designed to efficiently power T8 fluorescent lamps, ensuring reliable and energy-saving performance. Please read this manual thoroughly before installation and keep it for future reference.

## 2. SAFETY INFORMATION

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**WARNING:** Risk of electric shock. Improper installation or use can lead to serious injury or death. Always follow these safety guidelines:

- Always disconnect power at the circuit breaker or fuse box before installing, servicing, or removing the ballast.
- Installation should only be performed by a qualified electrician in accordance with all national and local electrical codes.
- Ensure the ballast's voltage and wattage ratings match your fluorescent lamps and power supply.
- Do not operate the ballast with damaged wiring or if the casing is compromised.
- Keep the ballast away from water and damp environments.
- Do not attempt to repair or modify the ballast. Refer servicing to qualified personnel.

## 3. PRODUCT OVERVIEW

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The FEILUDE YZ-318EAA is an electronic ballast engineered for T8 fluorescent lamps. It provides stable power to ensure instant start and flicker-free operation, contributing to energy efficiency and extended lamp life. Its robust construction ensures durability and compliance with quality standards.

### Key Features:

- Reliable and long-lasting energy-saving performance.
- High-quality housing material for durability.
- Meets stringent quality requirements for safety and reliability.
- Instant start functionality for energy savings.

### Package Contents:

- 1x FEILUDE YZ-318EAA Electronic Ballast

## 4. SETUP AND INSTALLATION

Before beginning installation, ensure the power supply is completely disconnected. Refer to the wiring diagram below for correct connections. This ballast is designed for multiple T8 18W/20W fluorescent lamps.

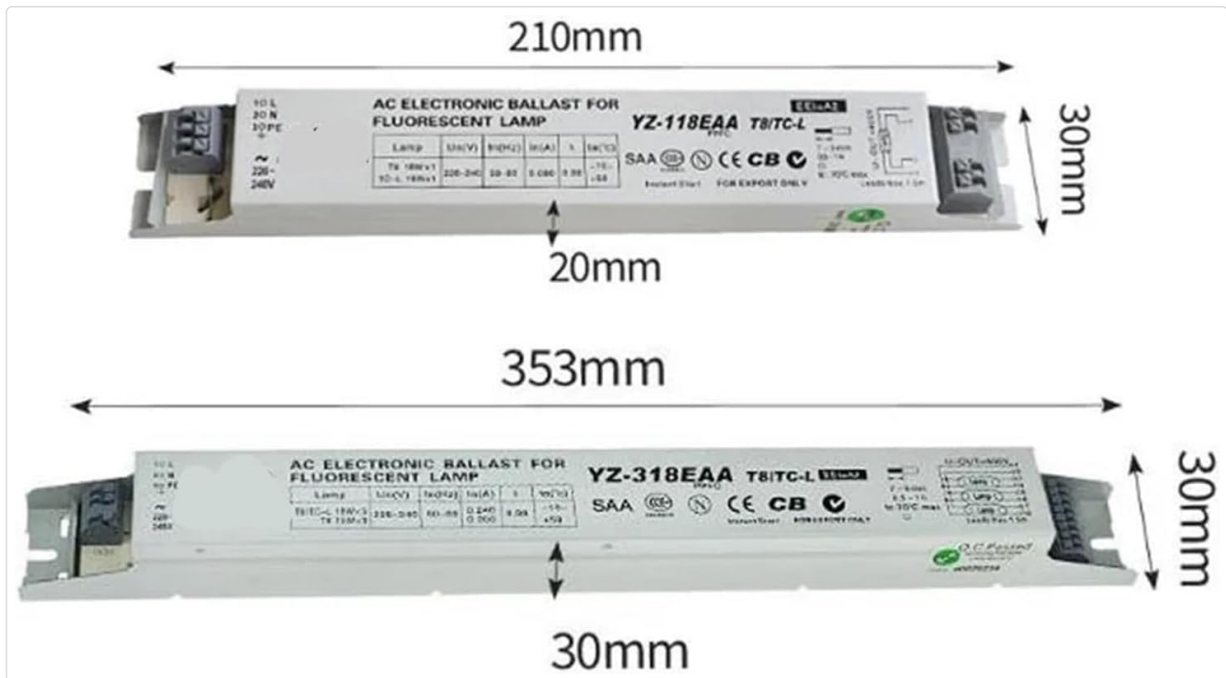


Figure 1: Physical dimensions of the FEILUDE YZ-118EAA (top) and YZ-318EAA (bottom) electronic ballasts. The YZ-318EAA measures approximately 353mm in length, 30mm in width, and 30mm in height, with a mounting hole distance of 343mm.

### Wiring Instructions:

1. **Power Disconnection:** Turn off the main power supply to the fixture at the circuit breaker. Verify power is off using a voltage tester.
2. **Mounting:** Securely mount the FEILUDE YZ-318EAA ballast within the fixture using appropriate fasteners. Ensure adequate ventilation around the ballast. Refer to Figure 1 for mounting hole distances.
3. **Input Wiring:** Connect the AC input wires to the ballast's input terminals.
  - Connect the Live (L) wire to the terminal marked 'L'.
  - Connect the Neutral (N) wire to the terminal marked 'N'.

- Connect the Earth (PE) wire to the terminal marked 'PE' (if applicable).
4. **Output Wiring (Lamp Connections):** Connect the ballast output wires to the fluorescent lamp holders according to the wiring diagram. The YZ-318EAA is designed for multiple lamps. Ensure each lamp is correctly wired to its designated terminals.



Figure 2: Detailed wiring diagram for the FEILUDE YZ-318EAA electronic ballast. This diagram illustrates the connections for input power (L, N, PE) and multiple lamp outputs (03-08). Ensure correct polarity and secure connections for optimal performance and safety.

**Note:** The wiring diagram (Figure 2) shows specific terminal assignments. Always match the lamp holder connections precisely to these terminals. Incorrect wiring can damage the ballast or lamps, and poses a safety risk.

1. **Final Check:** Double-check all connections to ensure they are secure and correctly wired. Ensure no bare wires are exposed.
2. **Restore Power:** Once all connections are verified and the fixture is reassembled, restore power at the circuit breaker.

## 5. OPERATING INSTRUCTIONS

The FEILUDE YZ-318EAA electronic ballast operates automatically once correctly installed and powered. Upon restoring power to the circuit, the connected T8 fluorescent lamps should illuminate instantly without flickering.

- Ensure the lamps are properly seated in their holders.
- Turn on the light switch connected to the fixture.
- The ballast will provide the necessary voltage to start and maintain the fluorescent lamps.

No further user interaction is required for normal operation.

## 6. MAINTENANCE

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The FEILUDE YZ-318EAA electronic ballast is designed for long-term, maintenance-free operation. However, periodic checks can help ensure optimal performance and safety.

- **Power Disconnection:** Always disconnect power before performing any maintenance.
- **Cleaning:** If necessary, gently wipe the exterior of the ballast with a dry, soft cloth to remove dust. Do not use liquid cleaners or solvents.
- **Connection Check:** Periodically inspect wiring connections for any signs of loosening or corrosion. Re-tighten connections if necessary.
- **Lamp Replacement:** When replacing fluorescent lamps, ensure they are of the correct type (T8) and wattage (18W/20W) compatible with the ballast.
- **Damage Inspection:** Check the ballast casing for any physical damage, cracks, or signs of overheating. If damage is observed, disconnect power immediately and replace the ballast.

## 7. TROUBLESHOOTING

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If your fluorescent lamps are not operating correctly, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Lamps do not light up.	<ul style="list-style-type: none"> <li>• No power to the fixture.</li> <li>• Loose or incorrect wiring.</li> <li>• Faulty fluorescent lamp(s).</li> <li>• Defective ballast.</li> </ul>	<ul style="list-style-type: none"> <li>• Check circuit breaker and wall switch.</li> <li>• Verify all wiring connections are secure and correct (refer to Section 4).</li> <li>• Replace lamp(s) with known good ones.</li> <li>• If lamps are good and wiring is correct, replace the ballast.</li> </ul>
Lamps flicker or dim.	<ul style="list-style-type: none"> <li>• Old or failing fluorescent lamp(s).</li> <li>• Loose lamp connections.</li> <li>• Incompatible lamp type/wattage.</li> <li>• Ballast nearing end of life.</li> </ul>	<ul style="list-style-type: none"> <li>• Replace lamp(s).</li> <li>• Ensure lamps are firmly seated in holders.</li> <li>• Verify lamps are T8 18W/20W.</li> <li>• Replace the ballast.</li> </ul>
Ballast makes humming noise.	<ul style="list-style-type: none"> <li>• Normal operation (slight hum).</li> <li>• Loose mounting.</li> <li>• Overheating or internal fault.</li> </ul>	<ul style="list-style-type: none"> <li>• A slight hum is normal for some ballasts.</li> <li>• Ensure ballast is securely mounted.</li> <li>• If hum is loud or accompanied by other issues, disconnect power and replace ballast.</li> </ul>

If the problem persists after attempting these solutions, consult a qualified electrician.

## 8. SPECIFICATIONS

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Feature	Detail
Model	YZ-318EAA
Brand	FEILUDE
Light Type	Fluorescent
Special Feature	Instant On
Compatible Bulb Shape Size	T8
Compatible Lamp Wattage	18W / 20W (for multiple lamps)
Voltage	220-240V
Frequency	50/60 Hz
Material	Copper (internal components), High-quality casing
Product Dimensions (L x W x H)	Approx. 353mm x 30mm x 30mm (13.9" x 1.18" x 1.18")
Mounting Hole Distance	Approx. 343mm
Control Method	<i>App (Note: This specification from the JSON seems incorrect for a standard ballast. It might refer to a smart lighting system compatibility, but for the ballast itself, it's typically controlled by a wall switch.)</i>
Item Weight	Approx. 50 Grams / 1.76 ounces

*Note on Control Method: The 'App' control method listed in specifications may refer to compatibility with external smart lighting systems, not direct app control of the ballast itself. The ballast is typically controlled via a standard wall switch.*

## 9. WARRANTY INFORMATION

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FEILUDE products are manufactured to high-quality standards. Specific warranty details may vary by region and retailer. Please retain your purchase receipt as proof of purchase. For information regarding warranty coverage, please contact your point of purchase or refer to the warranty documentation provided with your product at the time of purchase.

## 10. SUPPORT

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For technical assistance, troubleshooting beyond this manual, or inquiries regarding your FEILUDE YZ-318EAA electronic ballast, please contact the retailer from whom you purchased the product. They can provide specific support and guidance.

You may also visit the official FEILUDE website for general product information, if available.