

OSRAM 999007585046

Osram QT-M 2X26?42 S QUICKTRONIC® MULTIWATT Electronic Ballast

Model: 999007585046

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Osram QT-M 2X26?42 S QUICKTRONIC® MULTIWATT electronic ballast. This device is designed to operate two compact fluorescent lamps with wattages ranging from 26W to 42W, ensuring optimal performance and energy efficiency. Please read this manual thoroughly before installation and keep it for future reference.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Improper installation or use can lead to serious injury or death.

- Installation must be performed by a qualified electrician in accordance with all national and local electrical codes and regulations.
- Always disconnect power at the circuit breaker or fuse box before installing, servicing, or replacing any components.
- Ensure the supply voltage matches the ballast's specified voltage (220-240V).
- Do not operate the ballast with damaged wiring or if the casing is compromised.
- Keep the ballast away from water and excessive moisture.
- Do not attempt to open or modify the ballast. There are no user-serviceable parts inside.
- Ensure proper grounding where required.

3. PRODUCT OVERVIEW

The Osram QUICKTRONIC® MULTIWATT electronic ballast is a high-frequency control gear designed for optimal operation of compact fluorescent lamps. It features optimal filament preheating for extended lamp life and is suitable for use in emergency lighting systems. Its compact design allows for flexible integration into various lighting fixtures.

4. SETUP AND INSTALLATION

Before beginning installation, ensure all power is disconnected at the main circuit breaker. Refer to the wiring diagrams below for correct connections. This ballast is designed for professional installation only.

4.1 Wiring Connections

The ballast features clearly marked terminals for input power and lamp connections. Follow the diagram precisely to ensure safe and correct operation.

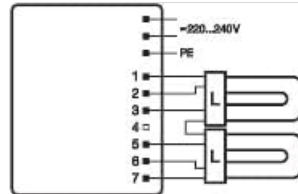


Figure 4.1: Detailed wiring diagram illustrating connections for two compact fluorescent lamps to the electronic ballast. Terminals 1, 2, 3, 4, 5, 6, 7 are shown for lamp connections, along with main power input (220-240V) and protective earth (PE).

- **Power Input:** Connect the main power supply (220-240V) to the designated input terminals. Ensure proper phase and neutral connections.
- **Protective Earth (PE):** Connect the protective earth conductor to the PE terminal.
- **Lamp Connections:** Connect the two fluorescent lamps to terminals 1-7 as indicated in the diagram. Pay close attention to the specific connections for each lamp.
- **Wire Preparation:** Use wires with a cross-section of 0.5-1.5 mm². Strip the wire insulation to a length of 7.5-8.5 mm before inserting into the terminals.
- **Lead Lengths:** For terminals 1, 2, 3, 5, the maximum lead length is 2 meters. For terminals 6, 7, the maximum lead length is 1 meter.

4.2 Mounting

Mount the ballast securely within the lighting fixture or enclosure. Ensure adequate ventilation to prevent overheating. Refer to the dimensional drawing for physical dimensions.

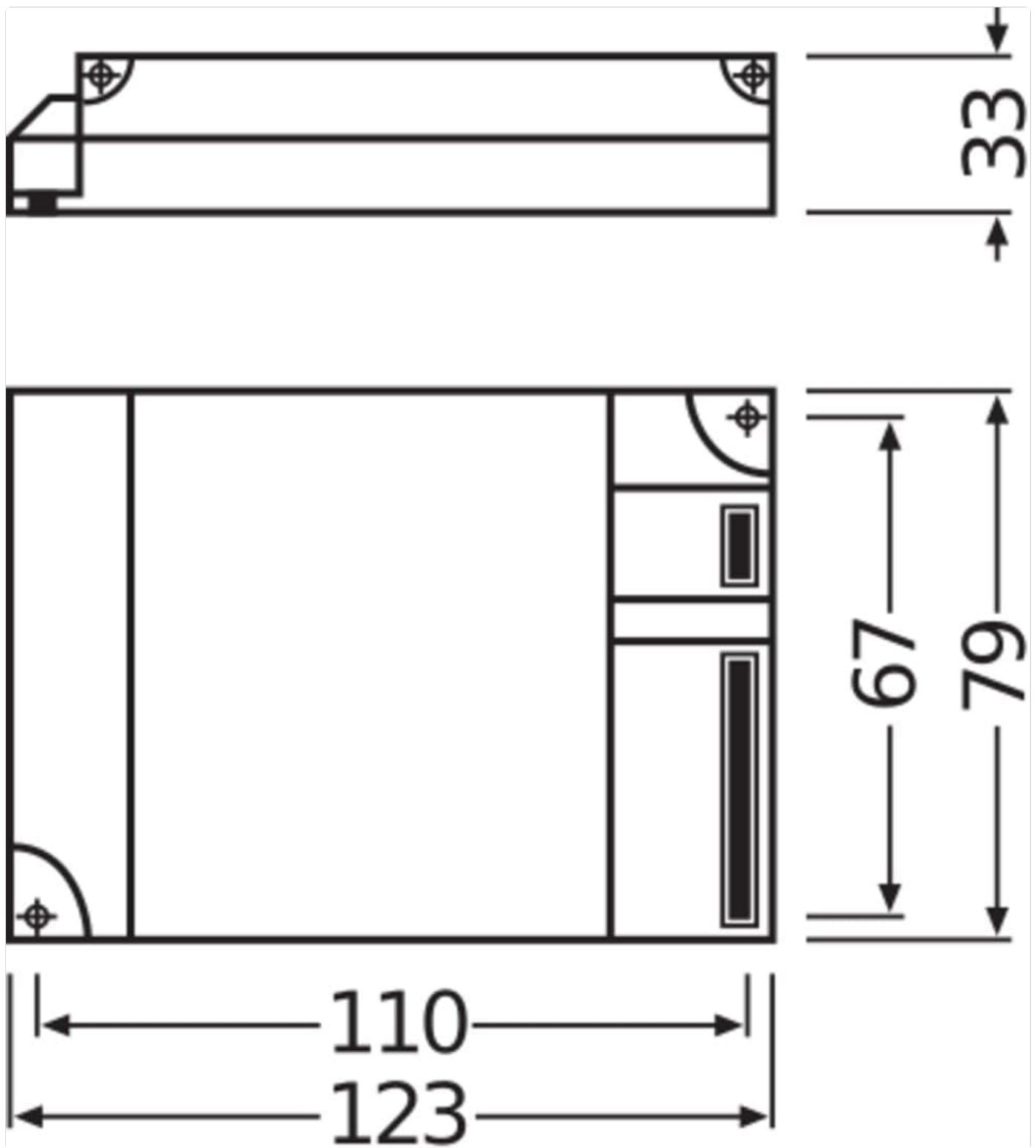


Figure 4.2: Dimensional drawing showing the length (123 mm), width (79 mm), and height (33 mm) of the electronic ballast, with mounting hole positions indicated.

5. OPERATING INSTRUCTIONS

Once correctly installed and wired, the Osram QUICKTRONIC® MULTIWATT ballast operates automatically. Upon applying power, the ballast will initiate the connected fluorescent lamps with optimal filament preheating, ensuring a gentle start and maximizing lamp life. The ballast maintains stable lamp operation throughout its use.

- **Power On:** Apply power to the lighting circuit. The lamps should illuminate immediately.
- **Dimmable Functionality:** If connected to a compatible dimming system, the ballast will respond to dimming commands to adjust light output. Ensure both the ballast and lamps are rated for dimming.

6. MAINTENANCE

The Osram QUICKTRONIC® MULTIWATT electronic ballast is designed for maintenance-free operation. However, periodic inspection of the lighting fixture and its components is recommended.

- **Cleaning:** Disconnect power before cleaning. Use a dry, soft cloth to wipe the exterior of the ballast if necessary. Do not use liquid cleaners or solvents.
- **Inspection:** Periodically check wiring connections for tightness and signs of wear or damage. Ensure the ballast is free from dust accumulation that could impede heat dissipation.
- **Lamp Replacement:** When replacing lamps, ensure power is off. Use only compatible fluorescent lamps as specified for this ballast (2x26-42W).

7. TROUBLESHOOTING

If you experience issues with your lighting system, refer to the following troubleshooting steps. Always disconnect power before performing any checks or repairs.

Problem	Possible Cause	Solution
Lamps do not light up.	No power supply, faulty lamps, incorrect wiring, faulty ballast.	Check circuit breaker. Verify power to the fixture. Replace lamps with known good ones. Inspect wiring connections for correctness and tightness. If problem persists, ballast may be faulty and require replacement.
Lamps flicker or dim unexpectedly.	Loose connections, incompatible lamps, unstable power supply, ballast nearing end of life.	Check all wiring connections. Ensure lamps are compatible with the ballast's wattage range. Verify stable power supply. If issue persists, consider replacing the ballast.
Ballast makes unusual noise or emits smoke/odor.	Internal fault, overheating, short circuit.	Immediately disconnect power. Do not attempt to operate. Replace the ballast. This indicates a serious malfunction.

8. SPECIFICATIONS

Technical specifications for the Osram QT-M 2X26?42 S QUICKTRONIC® MULTIWATT electronic ballast.

Attribute	Value
Brand	OSRAM
Manufacturer	Osram
Model Number	999007585046
Product Dimensions (L x W x H)	12.3 x 7.9 x 3.3 cm
Weight	280 grams
Supply Voltage	220-240 Volts

Attribute	Value
Line Voltage Range	198-264 Volts
Line Frequency	0.50-60 Hz
IP Rating	IP20
Special Feature	Dimmable
Lamp Type Supported	Compact Fluorescent (2x26W to 2x42W)

9. WARRANTY AND SUPPORT

For warranty information and technical support, please contact OSRAM directly or refer to their official website. Keep your purchase receipt as proof of purchase.

OSRAM Official Website: www.osram.com

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