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Intermatic UWZ48E-240U Hour Meter Instruction Manual

Model: UWZ48E-240U

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Intermatic UWZ48E-240U Hour Meter. This device is designed to accurately record operating hours for various electrical equipment. Please read this manual thoroughly before installation and operation to ensure proper function and safety.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Installation and servicing should be performed by qualified personnel only. Disconnect power at the circuit breaker or fuse box before installing or servicing the unit.

- Always follow local electrical codes and regulations.
- Ensure the power supply matches the meter's voltage rating (240V AC, 60Hz).
- Do not operate the meter if it appears damaged.
- Keep children away from electrical installations.

3. PRODUCT OVERVIEW

The Intermatic UWZ48E-240U is a flush-mount hour meter designed for precise time tracking. It features a clear display for accumulated hours and offers both quick connect and screw terminals for versatile wiring options.

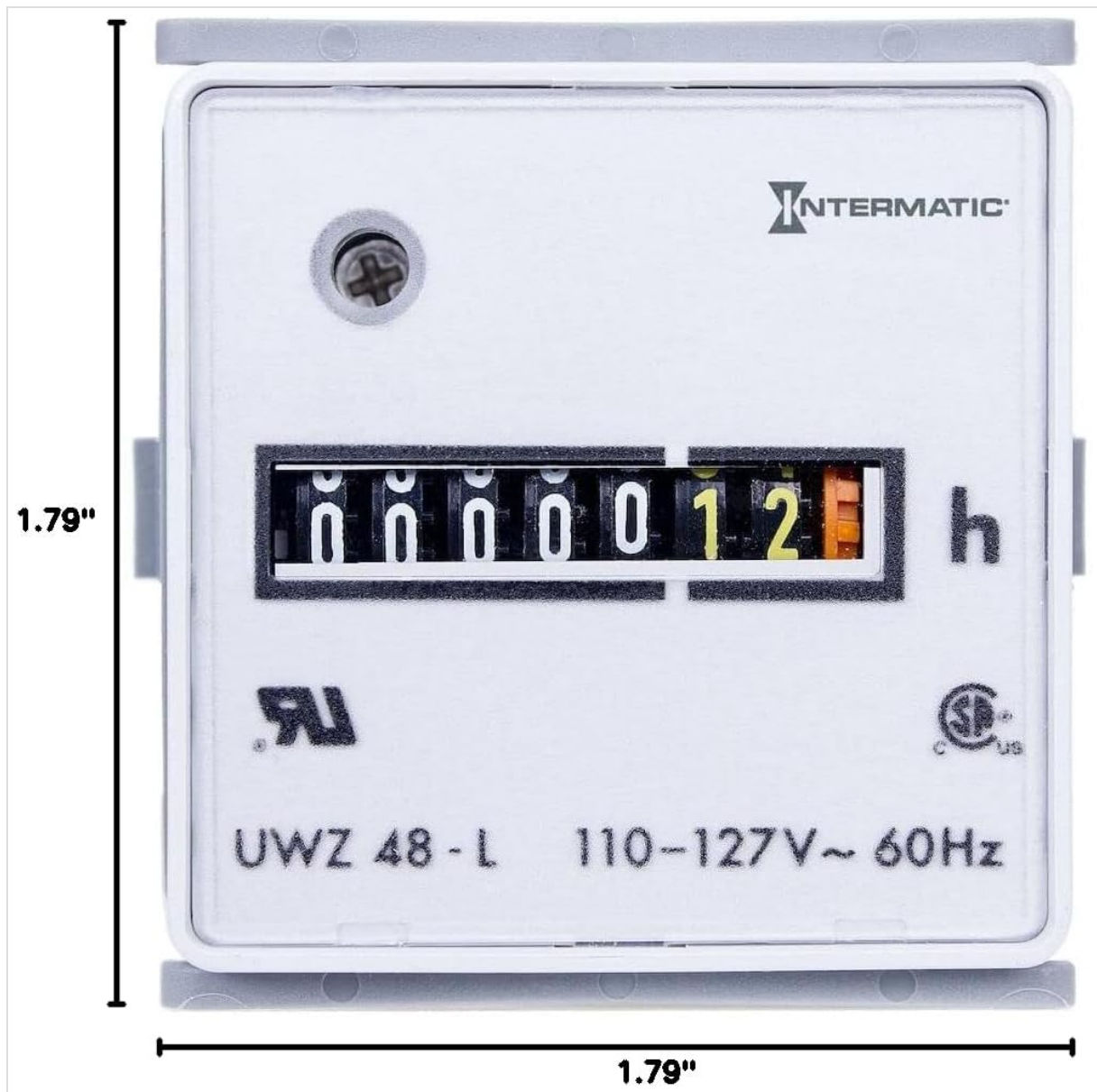


Figure 1: Front view of the InterMATIC UWZ48E-240U Hour Meter. The image shows the meter's face with the InterMATIC logo, a six-digit hour display, and electrical ratings (UWZ 48-L, 110-127V~ 60Hz). Please note that while the image displays 110-127V, the product model UWZ48E-240U is rated for 240V AC, 60Hz as per specifications. Dimensions of 1.79 inches by 1.79 inches are indicated on the sides.

3.1 Key Features:

- Flush mount design with retaining bracket.
- Combo quick connect and screw terminals.
- 240V AC, 60Hz operation.
- Durable plastic construction.
- Compact dimensions: 1.79"W x 1.79"H.

4. INSTALLATION

4.1 Mounting

1. Ensure power is disconnected at the source.
2. Create a panel cutout of 1.79" x 1.79" (45.5 x 45.5 mm). The panel thickness can be up to 0.35" (9 mm).
3. Insert the hour meter into the cutout from the front of the panel.
4. Secure the unit in position using the provided plastic slip-on retaining bracket from the rear of the

panel.

5. *Optional:* For 72 mm square or round openings, an optional 72 mm bezel can be used (not included).

4.2 Wiring

The UWZ48E-240U features combo quick connect and screw terminals. Connect the meter in parallel with the load or circuit you wish to monitor. Ensure correct voltage (240V AC, 60Hz) is supplied to the meter terminals.

- **Quick Connect:** Use appropriate spade connectors for a secure connection.
- **Screw Terminals:** Strip wire insulation to the recommended length, insert into the terminal, and tighten the screw firmly.

After wiring, ensure all connections are secure and insulated before restoring power.

5. OPERATION

The Intermatic UWZ48E-240U Hour Meter operates automatically when power is supplied to its terminals. The mechanical display will increment, showing the total accumulated operating hours. The meter does not have a reset function, providing a continuous record of equipment usage.

- The display shows hours in a six-digit format, typically with the last digit representing tenths of an hour.
- No user interaction is required for operation once installed and powered.

6. MAINTENANCE

The UWZ48E-240U Hour Meter is designed for maintenance-free operation. However, periodic inspection is recommended to ensure optimal performance.

- **Cleaning:** If necessary, gently wipe the display window with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check wiring connections for tightness and ensure the meter is securely mounted.
- **Environmental Conditions:** Ensure the operating environment remains within the specified temperature range (up to 160°F / 71°C).

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Meter display is blank or not incrementing.	No power to the meter, incorrect wiring, or meter malfunction.	<ul style="list-style-type: none">• Verify power supply to the circuit.• Check all wiring connections for proper polarity and tightness.• Ensure the voltage matches the meter's rating (240V AC).• If power and wiring are correct, the meter may require replacement.
Inaccurate hour readings.	Intermittent power supply or meter malfunction.	<ul style="list-style-type: none">• Ensure a stable power supply to the monitored equipment.• If issues persist, the meter may require replacement.

8. SPECIFICATIONS

Model	UWZ48E-240U
Brand	Intermatic
Voltage	240 Volts
Frequency	60 Hz
Current Rating	1 Amps
Connector Type	Spade, Screw Terminals
Mounting Type	Flush Mount (Wall Mount)
Material	Plastic
Color	White
Product Dimensions (W x H)	1.79" x 1.79" (45.5 x 45.5 mm)
Panel Cutout	1.79" x 1.79" (45.5 x 45.5 mm)
Max Panel Thickness	0.35" (9 mm)
Upper Temperature Rating	160 Degrees Fahrenheit (71 Degrees Celsius)
Certifications	CSA
Item Weight	0.2 Pounds

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Intermatic website or contact their customer service department. Keep your purchase receipt as proof of purchase.

You can visit the Intermatic Store on Amazon for more product information.