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› FX Luminaire DX-150-M DX Series Astronomical Transformer 150 Watt User Manual

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Model: DX-150-M

INTRODUCTION

The FX Luminaire DX-150-M DX Series Astronomical Transformer is a 150 Watt low-voltage lighting controller designed for outdoor lighting applications. It features a metal case and offers advanced control capabilities including astronomical timing and event-based programming. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your DX-150-M transformer.

SAFETY INFORMATION

WARNING: Risk of Electric Shock. Read all instructions before installation and operation.

- Always disconnect power at the circuit breaker before installing or servicing the transformer.
- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Do not operate the transformer with damaged cords or wires.
- Ensure the transformer is mounted securely to a stable surface.
- This transformer is designed for outdoor use. Ensure all connections are watertight.

SETUP

1. Mounting the Transformer

The DX-150-M transformer can be mounted as a chassis mount or rack mount. Select a suitable location that is protected from direct impact and allows for proper ventilation. The dimensions of the unit are 5.04"D x 7.14"W x 11.4"H. Use appropriate hardware to secure the transformer firmly to a wall or other stable structure.



Figure 1: Front view of the DX-150-M transformer with its digital display and controls, mounted on a wall.

2. Electrical Connections

Ensure the main power supply is OFF before making any electrical connections. The transformer operates on a corded electric power source. Connect the low-voltage lighting wires to the appropriate terminals inside the transformer. The unit provides common (C), 12V, 13V, and 14V output terminals to accommodate various lighting requirements. An external input option is also available for integration with other control systems.



Figure 2: Internal view of the transformer, highlighting the low-voltage output terminals and the external input connection.

3. Initial Power-Up

After all connections are securely made and verified, restore power to the transformer. The digital face-pack will illuminate, indicating the unit is powered on. Follow the on-screen prompts for initial setup, including date, time, and location settings for astronomical timing.

OPERATING INSTRUCTIONS

The DX-150-M transformer is designed for minimal maintenance. However, regular checks can ensure optimal performance and longevity.

- Periodically inspect the transformer housing for any signs of damage or corrosion.
- Ensure all wiring connections remain tight and free from debris.
- Keep the digital face-pack clean and free of dust or moisture. Use a soft, dry cloth for cleaning.
- Do not attempt to open the sealed internal components of the transformer. Refer servicing to qualified personnel.

TROUBLESHOOTING

If you encounter issues with your DX-150-M transformer, consider the following common troubleshooting steps:

- **No Power to Lights:** Check the main power supply at the circuit breaker. Verify all low-voltage wiring connections are secure and not corroded. Ensure the transformer is receiving input power.
- **Lights Not Turning On/Off as Programmed:** Verify the astronomical timing settings, including your geographical location. Check programmed events for correct times and offsets. Ensure the manual override is not active.
- **Display Not Working:** Ensure the transformer has power. If the display remains blank or shows errors, contact customer support.
- **Flickering Lights:** This may indicate a loose connection, an overloaded circuit, or a faulty lamp. Inspect wiring and ensure the total wattage of connected lights does not exceed the transformer's 150 Watt capacity.

SPECIFICATIONS

Feature	Specification
Brand	FX Luminaire (Manufacturer) / SPW (Brand Name)
Model	DX-150-M (DX150M)
Power Source	Corded Electric
Product Dimensions (D x W x H)	5.04" x 7.14" x 11.4" (12.8 cm x 18.14 cm x 28.94 cm)
Mounting Type	Chassis Mount or Rack Mount
Wattage	150 Watt
Specification Met	ANSI, CE, NEMA, UL
UPC	795850749147
Included Components	Transformer

WARRANTY AND SUPPORT

The FX Luminaire DX-150-M transformer comes with a manufacturer's warranty. For specific warranty details and duration, please refer to the documentation provided with your purchase or contact FX Luminaire directly. For technical support, installation assistance, or warranty claims, please contact the manufacturer:

Manufacturer: FX Luminaire

Please have your model number (DX-150-M) and proof of purchase ready when contacting support.



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